



2007 Missouri State  
Highway System

*Traffic  
Crash  
Statistics*

Missouri State Highway System  
Traffic Crash Statistics  
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*Chapter 1*

2007 STATEWIDE TRAFFIC CRASH STATISTICS

The following summary of traffic crashes represents only those crashes that have occurred on the State Highway System of Missouri in 2007. The information contained in this publication is a summary of the crash reports provided to the Missouri Department of Transportation. This publication is possible only through the conscientious reporting efforts of Missouri Law Enforcement Agencies.

These statistics are compiled pursuant to federal law, 23 USC Section 152.

### **Chapter 1-A : CRASHES BY TYPE**

This section divides total 2007 crashes by the type of impact severity. It further distinguishes the types by indicating whether they occurred “ON” or “OFF” the roadway.



**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Type for 2007**

Date: Aug 25, 2008  
Time: 7:40:32 AM

| Crash Type                               | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|--|---------------|------------------|----------------|----------------|---------------|---------------|
| <b>ACCIDENT TYPE OFF ROAD</b>            |               |                  |                |                |               |               |
| RAN OFF ROAD                             | 12            | 14               | 100            | 196            | 215           | 327           |
| RAN OFF ROAD-ANIMAL OTHER THAN DEER      | 0             | 0                | 1              | 1              | 1             | 2             |
| RAN OFF ROAD-BICYCLIST OR PEDALCYCLIST   | 0             | 0                | 2              | 2              | 3             | 5             |
| RAN OFF ROAD-DEER                        | 0             | 0                | 2              | 2              | 11            | 13            |
| RAN OFF ROAD-FIXED OBJECT                | 254           | 271              | 6,522          | 8,371          | 11,766        | 18,542        |
| RAN OFF ROAD-MOTOR VEHICLE IN TRAFFIC    | 0             | 0                | 0              | 0              | 0             | 0             |
| RAN OFF ROAD-OTHER OBJECT                | 3             | 4                | 27             | 31             | 79            | 109           |
| RAN OFF ROAD-OTHER/NONCOLLISION          | 1             | 1                | 40             | 46             | 189           | 230           |
| RAN OFF ROAD-OVERTURNED ON ROADWAY       | 0             | 0                | 0              | 0              | 0             | 0             |
| RAN OFF ROAD-OVERTURNING                 | 53            | 56               | 1,028          | 1,446          | 779           | 1,860         |
| RAN OFF ROAD-PARKED MOTOR VEHICLE        | 0             | 0                | 145            | 200            | 646           | 791           |
| RAN OFF ROAD-PEDESTRIAN                  | 5             | 5                | 24             | 28             | 0             | 29            |
| RAN OFF ROAD-RAILROAD TRAIN              | 0             | 0                | 2              | 3              | 1             | 3             |
| <b>Subtotal</b>                          | <b>328</b>    | <b>351</b>       | <b>7,893</b>   | <b>10,326</b>  | <b>13,690</b> | <b>21,911</b> |
| <b>ACCIDENT TYPE ON ROAD</b>             |               |                  |                |                |               |               |
| ANIMAL OTHER THAN DEER                   | 0             | 0                | 102            | 125            | 567           | 669           |
| BICYCLIST OR PEDALCYCLIST                | 2             | 2                | 56             | 59             | 79            | 137           |
| CHAIN REACTION REAR END                  | 14            | 17               | 1,907          | 3,483          | 2,832         | 4,753         |
| DEER                                     | 3             | 3                | 238            | 304            | 2,580         | 2,821         |
| FIXED OBJECT                             | 14            | 15               | 169            | 221            | 413           | 596           |
| MOTOR VEHICLE IN TRAFFIC                 | 252           | 293              | 12,702         | 20,106         | 41,985        | 54,939        |
| OTHER NON - COLLISION                    | 7             | 7                | 74             | 96             | 449           | 530           |
| OTHER OBJECT                             | 1             | 1                | 65             | 81             | 809           | 875           |
| OVERTURNED ON ROADWAY                    | 29            | 31               | 469            | 624            | 219           | 717           |
| OVERTURNING                              | 0             | 0                | 0              | 0              | 0             | 0             |
| PARKED MOTOR VEHICLE                     | 1             | 1                | 22             | 38             | 72            | 95            |
| PEDESTRIAN                               | 42            | 42               | 226            | 240            | 21            | 289           |
| RAILROAD TRAIN                           | 1             | 1                | 6              | 9              | 7             | 14            |
| RAN OFF ROAD-MOTOR VEHICLE ON OTHER ROAD | 6             | 9                | 42             | 84             | 118           | 166           |
| <b>Subtotal</b>                          | <b>372</b>    | <b>422</b>       | <b>16,078</b>  | <b>25,470</b>  | <b>50,151</b> | <b>66,601</b> |

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**Missouri Department of Transportation**  
**Transportation Planning**  
***Crashes by Type for 2007***

Date: Aug 25, 2008  
Time: 7:40:32 AM

| Crash Type    | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|---------------|---------------|------------------|----------------|----------------|---------------|---------------|
| <b>Totals</b> | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |

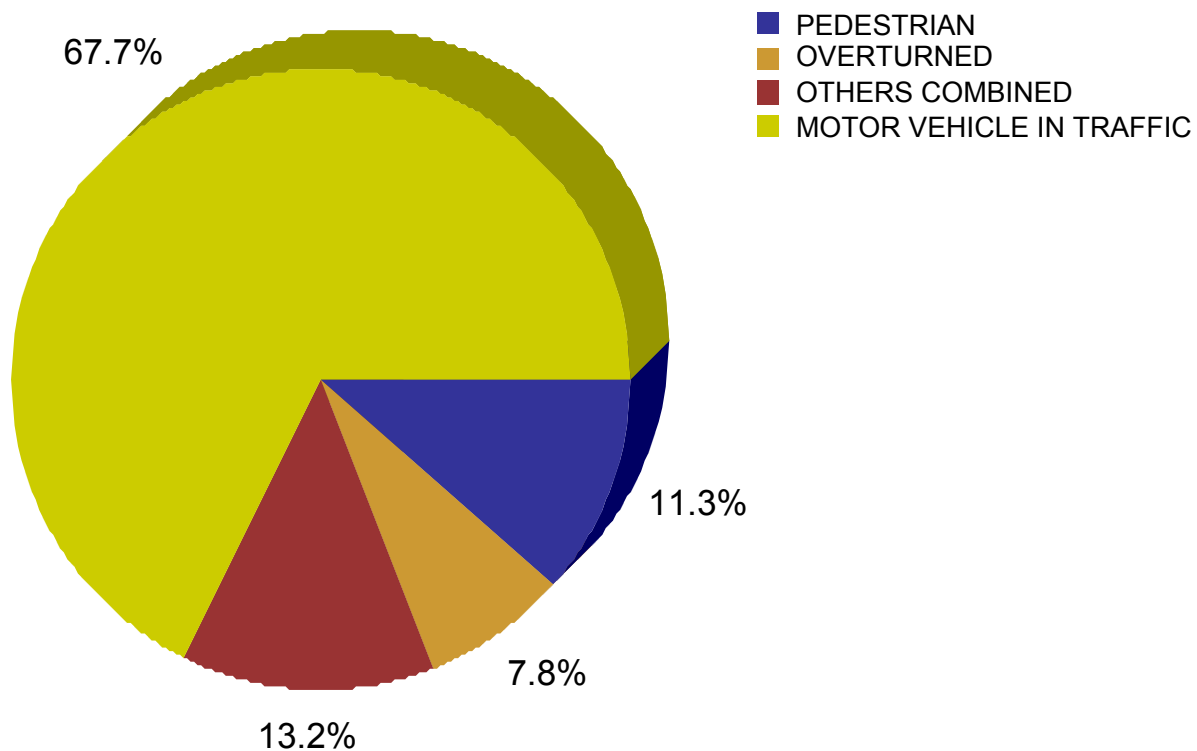
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**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Type for 2007**  
**372 Fatal Crashes "ON" Roadway**

Date: Aug 25, 2008  
Time: 7:38:43 AM

| Crash Type               | Fatal Crashes |
|--------------------------|---------------|
| PEDESTRIAN               | 42            |
| OVERTURNED               | 29            |
| OTHERS COMBINED          | 49            |
| MOTOR VEHICLE IN TRAFFIC | 252           |

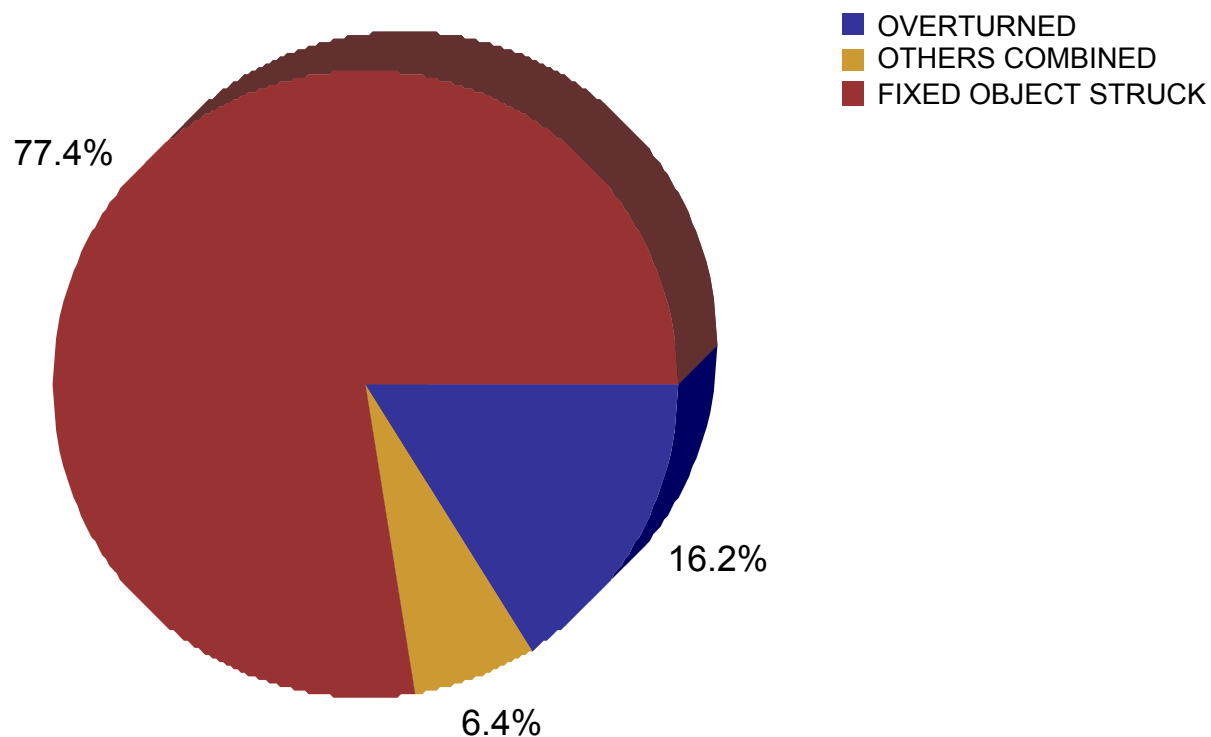




**Missouri Department of Transportation**  
**Transportation Planning**  
***Crashes by Type for 2007***  
**328 Fatal Crashes "OFF" Roadway**

Date : Aug 25, 2008  
Time : 7:28:38 AM

| Crash Type          | Fatal Crashes |
|---------------------|---------------|
| OVERTURNED          | 53            |
| OTHERS COMBINED     | 21            |
| FIXED OBJECT STRUCK | 254           |



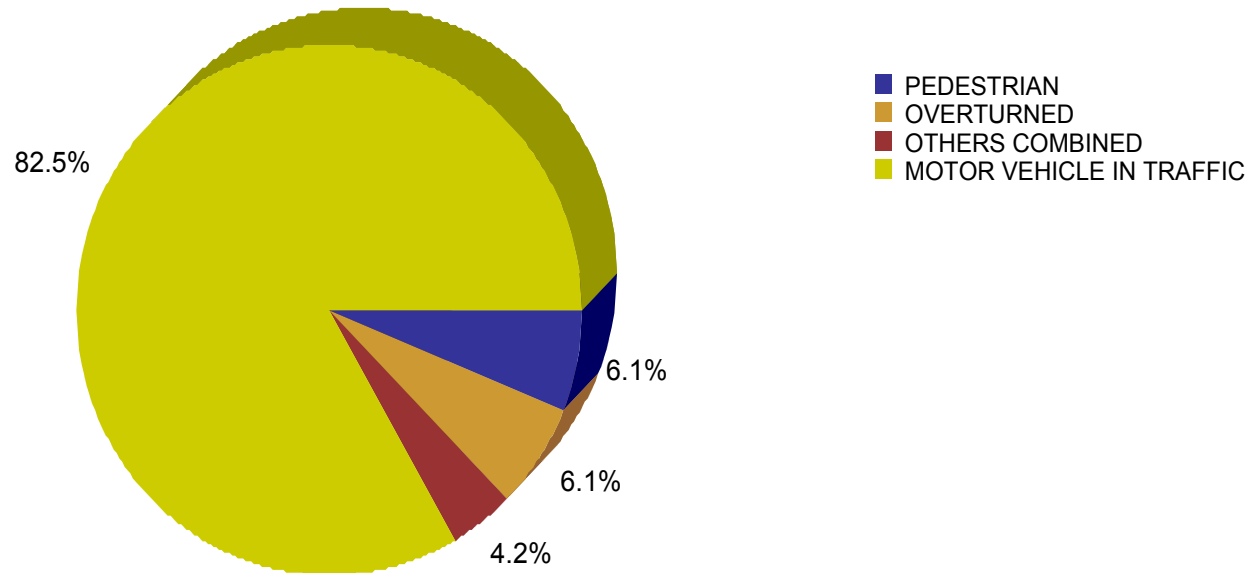




**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Type for 2007**  
**66,601 Total Crashes "ON" Roadway**

Date: Aug 25, 2008  
Time: 7:35:23 AM

| Crash Type               | Total Crashes |
|--------------------------|---------------|
| CHAIN REACTION REAR END  | 4,753         |
| DEER                     | 2,821         |
| MOTOR VEHICLE IN TRAFFIC | 54,939        |
| OTHERS COMBINED          | 4,088         |

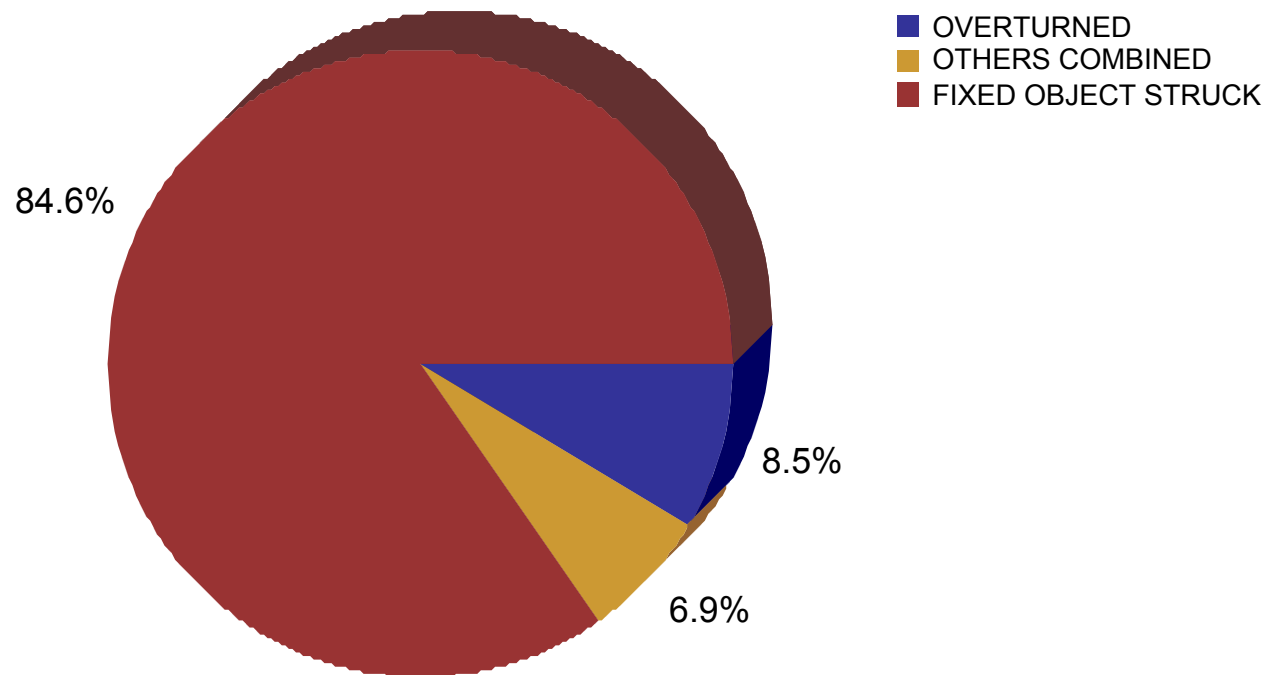




**Missouri Department of Transportation**  
**Transportation Planning**  
***Crashes by Type for 2007***  
**21,911 Total Crashes "OFF" Roadway**

Date: Aug 25, 2008  
Time: 7:34:03 AM

| Crash Type          | Total Crashes |
|---------------------|---------------|
| OVERTURNED          | 1,860         |
| OTHERS COMBINED     | 1,509         |
| FIXED OBJECT STRUCK | 18,542        |



### **Chapter 1-B : CRASHES BY CONTRIBUTING CIRCUMSTANCES**

This section deals with the circumstances that contributed to crashes in 2007. The total number of reported crashes is somewhat less than the total number of contributing circumstances and the number of drivers because each crash could involve one or more drivers and one or more contributing circumstance.



**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Contributing Circumstance for 2007**

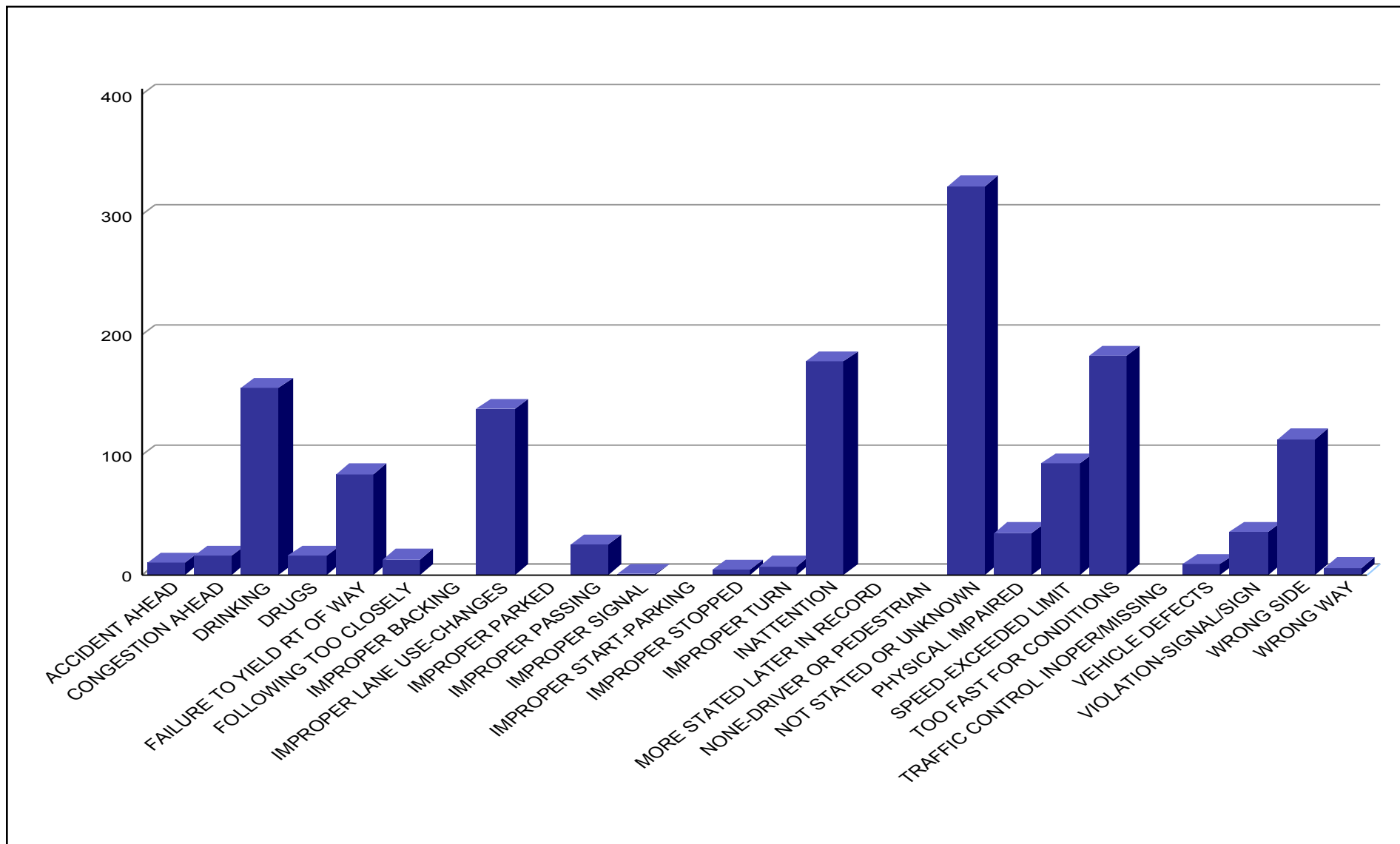
Date: Oct 14, 2008  
Time: 1:04:14 PM

| Contributing Circumstance      | Fatal Crashes | Injury Crashes | PDO Crashes    | Total Crashes  |
|--------------------------------|---------------|----------------|----------------|----------------|
| ACCIDENT AHEAD                 | 10            | 422            | 1,126          | 1,558          |
| CONGESTION AHEAD               | 16            | 2,664          | 8,026          | 10,706         |
| DRINKING                       | 156           | 1,913          | 1,908          | 3,977          |
| DRUGS                          | 16            | 298            | 265            | 579            |
| FAILURE TO YIELD RT OF WAY     | 84            | 4,069          | 8,668          | 12,821         |
| FOLLOWING TOO CLOSELY          | 13            | 3,936          | 13,019         | 16,968         |
| IMPROPER BACKING               | 0             | 31             | 881            | 912            |
| IMPROPER LANE USE-CHANGES      | 138           | 2,620          | 7,117          | 9,875          |
| IMPROPER PARKED                | 0             | 13             | 38             | 51             |
| IMPROPER PASSING               | 25            | 331            | 894            | 1,250          |
| IMPROPER SIGNAL                | 1             | 48             | 115            | 164            |
| IMPROPER START-PARKING         | 0             | 27             | 101            | 128            |
| IMPROPER STOPPED               | 4             | 116            | 317            | 437            |
| IMPROPER TURN                  | 7             | 571            | 1,754          | 2,332          |
| INATTENTION                    | 178           | 6,835          | 17,326         | 24,339         |
| MORE STATED LATER IN RECORD    | 0             | 0              | 0              | 0              |
| NONE-DRIVER OR PEDESTRIAN      | 0             | 0              | 0              | 0              |
| NOT STATED OR UNKNOWN          | 324           | 13,251         | 41,750         | 55,325         |
| PHYSICAL IMPAIRED              | 35            | 928            | 964            | 1,927          |
| SPEED-EXCEEDED LIMIT           | 93            | 736            | 751            | 1,580          |
| TOO FAST FOR CONDITIONS        | 182           | 5,280          | 10,775         | 16,237         |
| TRAFFIC CONTROL INOPER/MISSING | 0             | 25             | 57             | 82             |
| VEHICLE DEFECTS                | 9             | 603            | 2,049          | 2,661          |
| VIOLATION-SIGNAL/SIGN          | 36            | 1,168          | 1,689          | 2,893          |
| WRONG SIDE                     | 113           | 753            | 800            | 1,666          |
| WRONG WAY                      | 6             | 52             | 57             | 115            |
| <b>Totals</b>                  | <b>1,446</b>  | <b>46,690</b>  | <b>120,447</b> | <b>168,583</b> |
| IN ACCIDENTS                   | <b>700</b>    | <b>23,971</b>  | <b>63,841</b>  | <b>88,512</b>  |
| FOR DRIVERS                    | <b>1,069</b>  | <b>42,479</b>  | <b>113,479</b> | <b>157,026</b> |



**Missouri Department of Transportation**  
**Transportation Planning**  
**Fatal Crashes by Contributing Circumstances for 2007**  
**1,069 Drivers Involved In**  
**700 Fatal Crashes**

Date: Aug 25, 2008  
Time: 7:43:29 AM

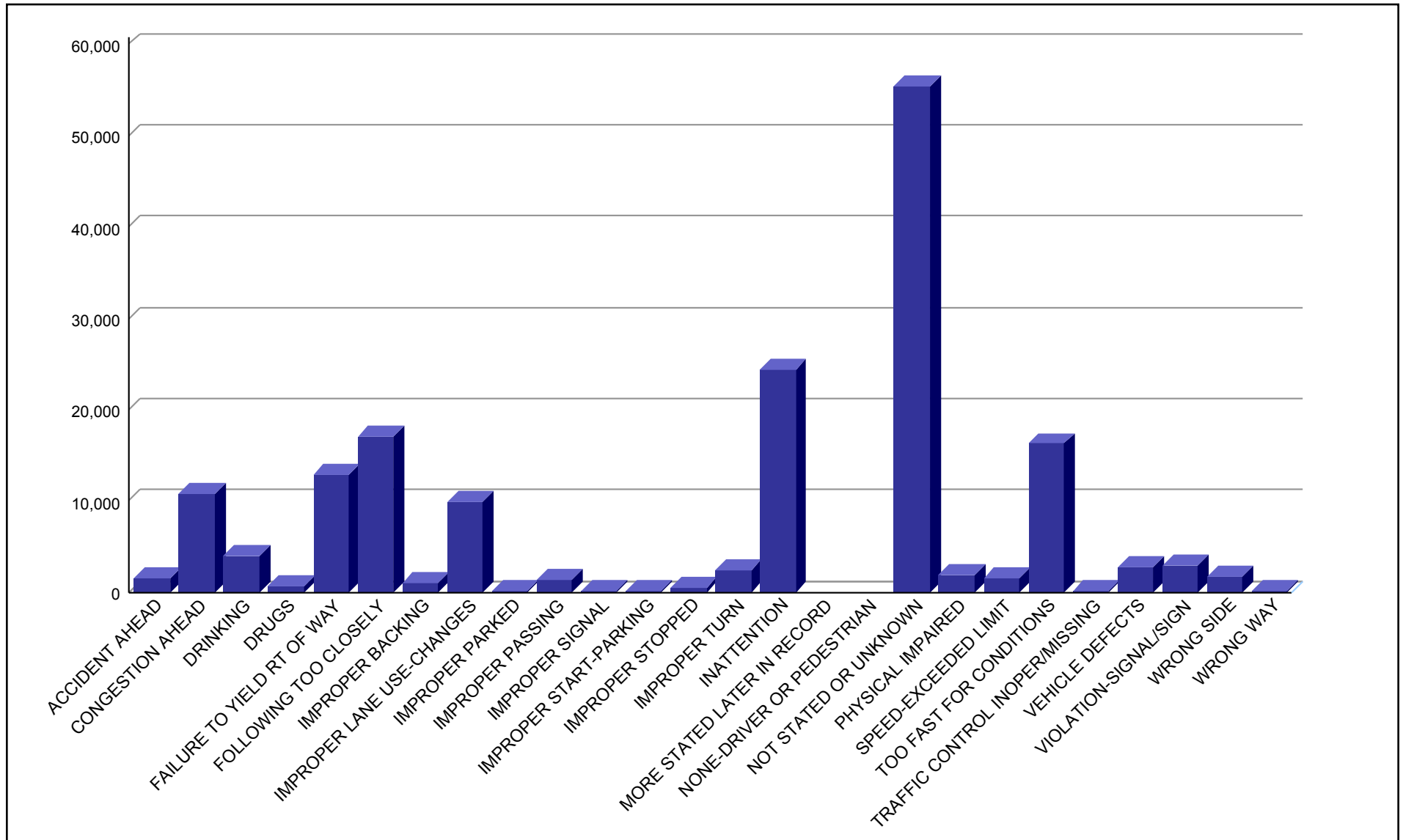


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**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Contributing Circumstances for 2007**  
**157,026 Drivers Involved In**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 7:44:48 AM



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### **Chapter 1-C : CRASHES BY POPULATION GROUPING**

In this section, crashes are grouped according to the population characteristics of their location. Four (4) categories are used: rural, urban (population 5,000 to 49,999), urbanized (population 50,000 to 199,999) and metropolitan (population 200,000 or greater).

Currently, all metropolitan crashes have been included in the urbanized grouping.



Missouri Department of Transportation  
Transportation Planning  
*Crashes by Population Grouping for 2007*

Date: Aug 25, 2008  
Time: 7:46:10 AM

| Population Grouping | Fatal Crashes | Injury Crashes | PDO Crashes   | Total Crashes |
|---------------------|---------------|----------------|---------------|---------------|
| METROPOLITAN        | 0             | 0              | 0             | 0             |
| RURAL               | 503           | 9,344          | 18,688        | 28,535        |
| UNDESIGNATED        | 0             | 0              | 0             | 0             |
| URBAN               | 37            | 2,713          | 8,994         | 11,744        |
| URBANIZED           | 160           | 11,914         | 36,159        | 48,233        |
| <b>Totals</b>       | <b>700</b>    | <b>23,971</b>  | <b>63,841</b> | <b>88,512</b> |

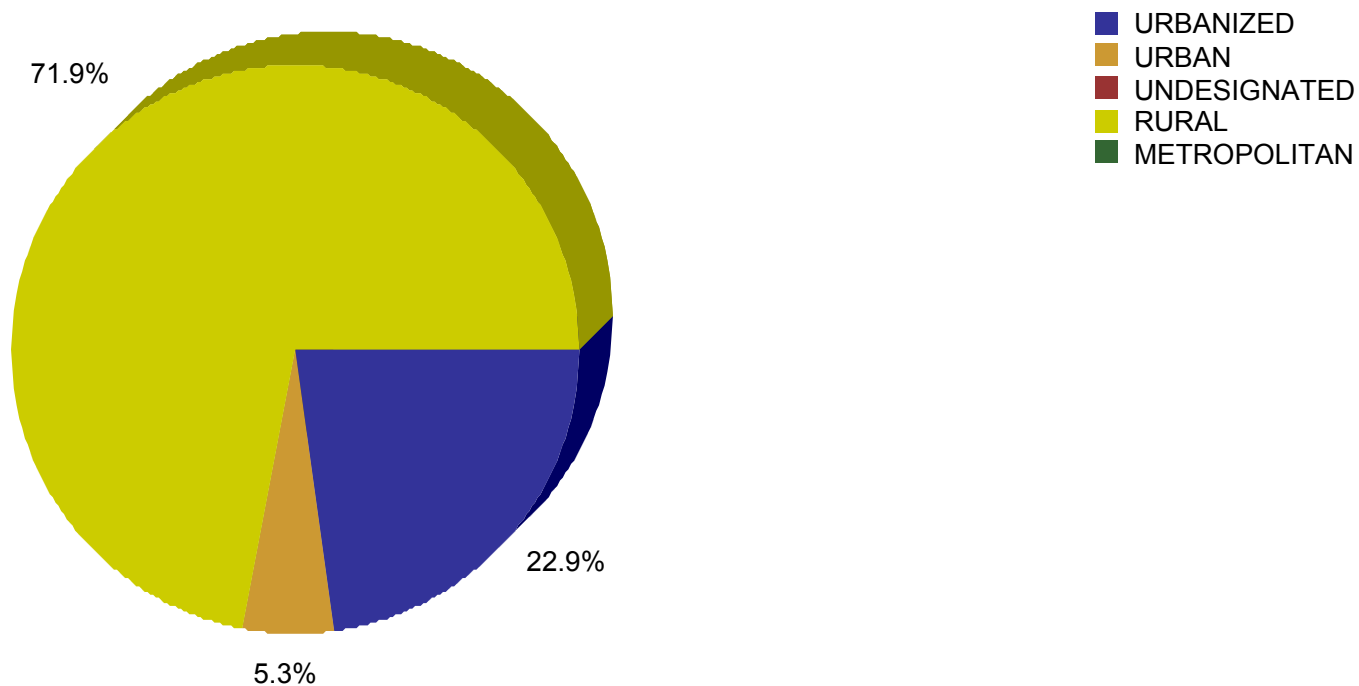




**Missouri Department of Transportation**  
**Transportation Planning**  
***Crashes by Population Grouping for 2007***  
**700 Fatal Crashes**

Date: Aug 25, 2008  
Time: 7:47:24 AM

| Population Grouping | Total Fatal Crashes |
|---------------------|---------------------|
| URBANIZED           | 160                 |
| URBAN               | 37                  |
| UNDESIGNATED        | 0                   |
| RURAL               | 503                 |
| METROPOLITAN        | 0                   |

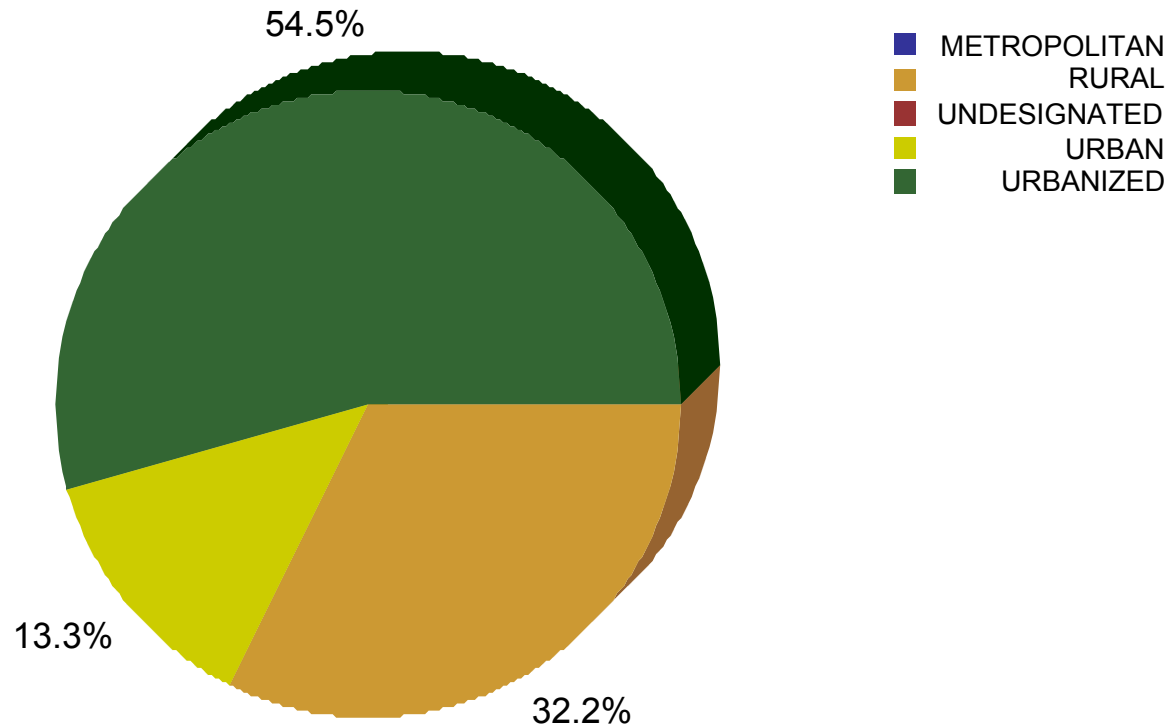




**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Population Grouping for Year 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 7:58:22 AM

| Population Grouping | Total Crashes |
|---------------------|---------------|
| METROPOLITAN        | 0             |
| RURAL               | 28,535        |
| UNDESIGNATED        | 0             |
| URBAN               | 11,744        |
| URBANIZED           | 48,233        |



### **Chapter 1-D : CRASHES BY ROUTE MARKING**

In 2007, 0.79% of all crashes occurring on the Missouri Highway System resulted in a fatality and 27.08% resulted in an injury. This section separates these total crashes according to the route marking of the highways on which they occurred. In 2006, state numbered routes had the highest percentage of total crashes and the highest percentage of fatal crashes.



Missouri Department of Transportation  
Transportation Planning  
Crashes by Route Marking for 2007

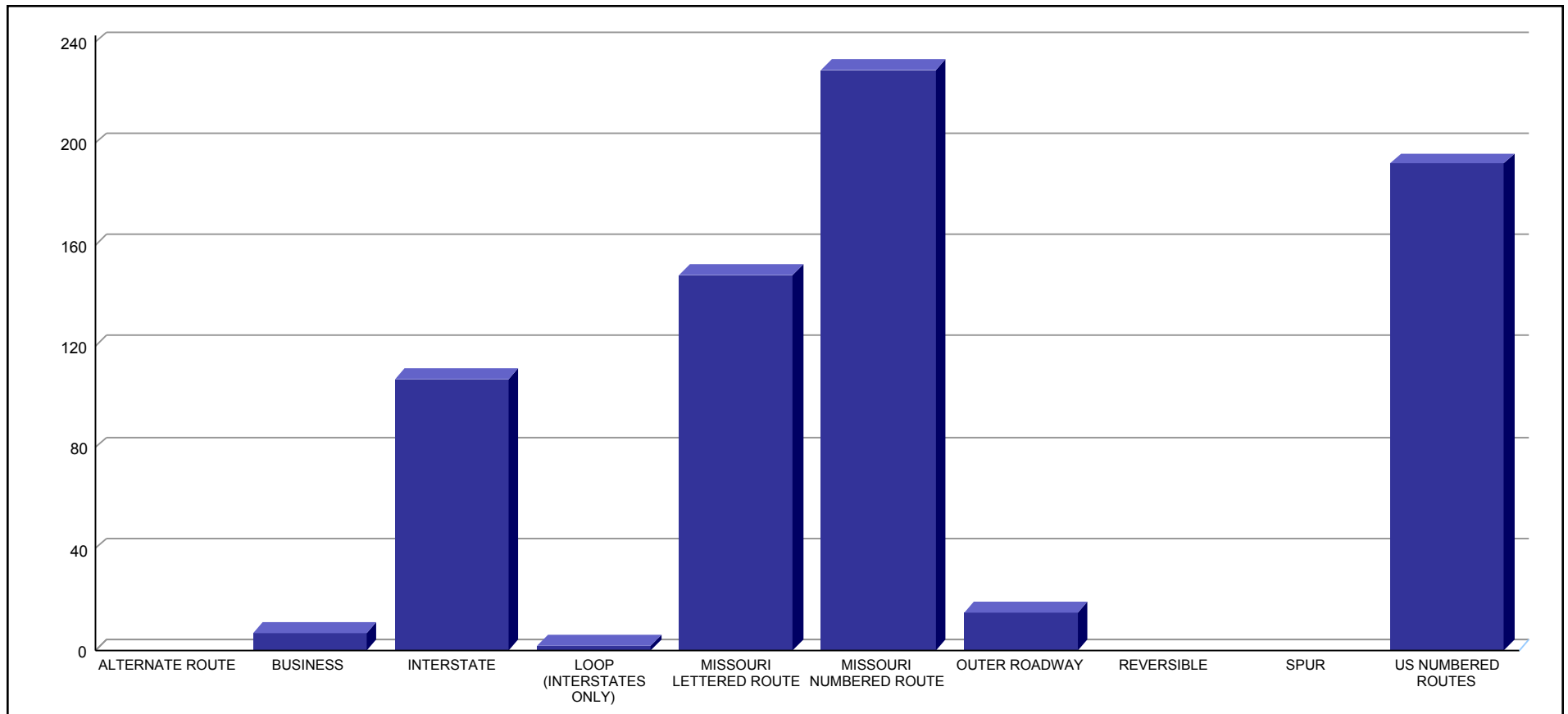
Time: 7:59:38 AM  
Date: Aug 25, 2008

| Route Marking Designation | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|---------------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| ALTERNATE ROUTE           | 0             | 0                | 0              | 0              | 0             | 0             |
| BUSINESS                  | 7             | 7                | 801            | 1,254          | 2,121         | 2,929         |
| INTERSTATE                | 107           | 117              | 4,631          | 6,608          | 15,646        | 20,384        |
| LOOP (INTERSTATES ONLY)   | 2             | 2                | 249            | 370            | 675           | 926           |
| MISSOURI LETTERED ROUTE   | 148           | 159              | 4,666          | 6,733          | 9,642         | 14,456        |
| MISSOURI NUMBERED ROUTE   | 229           | 257              | 7,878          | 11,884         | 20,344        | 28,451        |
| OUTER ROADWAY             | 15            | 15               | 644            | 988            | 1,891         | 2,550         |
| REVERSIBLE                | 0             | 0                | 0              | 0              | 1             | 1             |
| SPUR                      | 0             | 0                | 25             | 37             | 120           | 145           |
| US NUMBERED ROUTES        | 192           | 216              | 5,077          | 7,922          | 13,401        | 18,670        |
| <b>Totals</b>             | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |



**Missouri Department of Transportation**  
**Transportation Planning**  
**Fatal Crashes by Route Marking for 2007**  
**700 Fatal Crashes**

Date: Aug 25, 2008  
Time: 8:00:48 AM

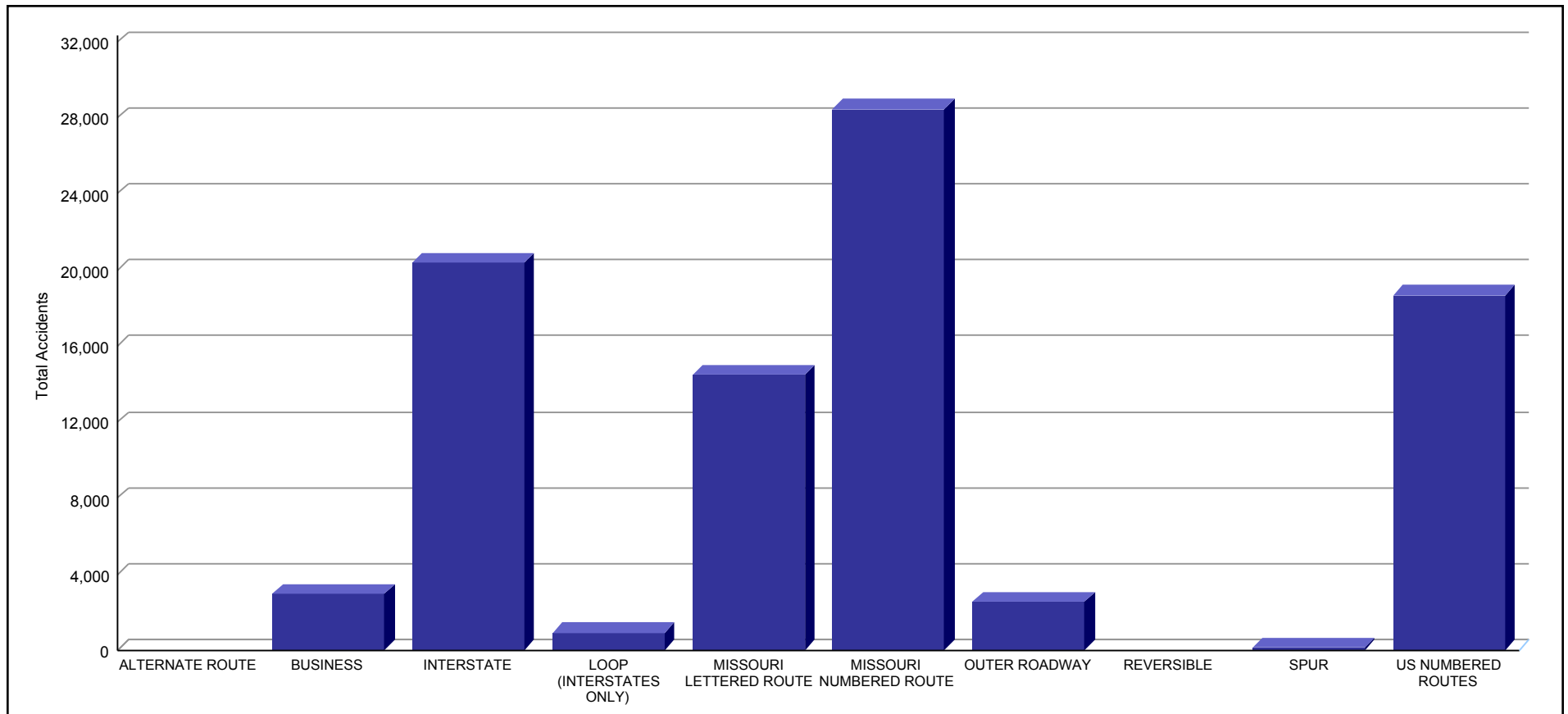


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**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Route Marking for 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 8:01:41 AM



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### ***Chapter 1- E: CRASHES BY CLASS***

Out of Control crashes accounted for 38.6% of the fatal crashes for 2007. These crashes represented 24.5% of the total crashes. Rear end crashes accounted for the majority of the total crashes at 35.4%



Missouri Department of Transportation  
Transportation Planning  
Crashes by Class for 2007

Date : Aug 25, 2008  
Time: 8:02:43 AM

| Crash Class                      | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|----------------------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| ANIMAL OTHER THAN DEER           | 0             | 0                | 103            | 126            | 568           | 671           |
| AVOIDING                         | 1             | 1                | 235            | 331            | 292           | 528           |
| BACKING                          | 1             | 1                | 41             | 54             | 986           | 1,028         |
| CHANGING LANE                    | 5             | 5                | 249            | 369            | 1,157         | 1,411         |
| CROSS MEDIAN                     | 6             | 7                | 28             | 45             | 16            | 50            |
| DEER                             | 3             | 3                | 240            | 306            | 2,591         | 2,834         |
| DUAL LEFTS COLLIDE               | 0             | 0                | 7              | 13             | 144           | 151           |
| DUAL RIGHTS COLLIDE              | 0             | 0                | 3              | 3              | 89            | 92            |
| FIXED OBJECT                     | 14            | 15               | 169            | 221            | 413           | 596           |
| HEAD ON                          | 124           | 152              | 736            | 1,762          | 451           | 1,311         |
| JACKKNIFE                        | 0             | 0                | 0              | 0              | 1             | 1             |
| LEFT TURN                        | 12            | 13               | 1,612          | 2,728          | 2,872         | 4,496         |
| LEFT TURN RIGHT ANGLE COLLISION  | 14            | 15               | 1,390          | 2,284          | 3,258         | 4,662         |
| OTHER                            | 14            | 16               | 274            | 346            | 2,644         | 2,932         |
| OUT OF CONTROL                   | 342           | 366              | 8,066          | 10,552         | 13,283        | 21,691        |
| PARKING OR PARKED CAR            | 1             | 1                | 167            | 238            | 721           | 889           |
| PASSING                          | 9             | 9                | 668            | 969            | 5,406         | 6,083         |
| PEDALCYCLE                       | 2             | 2                | 58             | 61             | 82            | 142           |
| PEDESTRIAN                       | 47            | 47               | 250            | 268            | 22            | 319           |
| REAR END                         | 41            | 47               | 7,507          | 11,294         | 23,830        | 31,378        |
| RIGHT ANGLE                      | 52            | 59               | 1,568          | 2,861          | 2,453         | 4,073         |
| RIGHT TURN                       | 1             | 1                | 65             | 91             | 366           | 432           |
| RIGHT TURN RIGHT ANGLE COLLISION | 1             | 1                | 175            | 273            | 1,053         | 1,229         |
| SIDESWIPE                        | 8             | 10               | 269            | 445            | 964           | 1,241         |
| TOWED UNIT DISCONNECTS           | 0             | 0                | 3              | 3              | 6             | 9             |
| U - TURN                         | 2             | 2                | 87             | 151            | 173           | 262           |
| WRONG WAY ON DIVIDED HIGHWAY     | 0             | 0                | 1              | 2              | 0             | 1             |
| <b>Totals</b>                    | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |



### **Chapter 1-F : CRASHES BY DRIVER'S AGE**

This section examines driver age in relation to crash involvement. The total number of drivers by age group consists of individuals holding a valid operators or chauffeurs license in the state of Missouri.



Missouri Department of Transportation  
Transportation Planning  
Crashes by Driver Age for 2007

Date: Aug 25, 2008  
Time: 8:05:43 AM

| Driver Age Group      | Fatal Crashes | Injury Crashes | PDO Crashes    | Total Crashes  |
|-----------------------|---------------|----------------|----------------|----------------|
| 15 & Under            | 2             | 76             | 133            | 211            |
| 16-20                 | 109           | 6,097          | 15,243         | 21,449         |
| 21-25                 | 117           | 5,730          | 14,611         | 20,458         |
| 26-30                 | 83            | 4,528          | 11,881         | 16,492         |
| 31-35                 | 83            | 3,555          | 9,471          | 13,109         |
| 36-40                 | 101           | 3,593          | 9,772          | 13,466         |
| 41-45                 | 101           | 3,767          | 9,680          | 13,548         |
| 46-50                 | 123           | 3,723          | 9,496          | 13,342         |
| 51-55                 | 83            | 2,999          | 7,886          | 10,968         |
| 56-60                 | 74            | 2,493          | 6,464          | 9,031          |
| 61-65                 | 48            | 1,739          | 4,422          | 6,209          |
| 66-70                 | 30            | 1,130          | 3,041          | 4,201          |
| 71 & Over             | 104           | 2,298          | 6,267          | 8,669          |
| Not Stated or Unknown | 10            | 751            | 5,112          | 5,873          |
| <b>TOTALS</b>         | <b>1,068</b>  | <b>42,479</b>  | <b>113,479</b> | <b>157,026</b> |



**Missouri Department of Transportation**  
**Transportation Planning**  
***Crash Statistics by Driver Age for Year 2007***

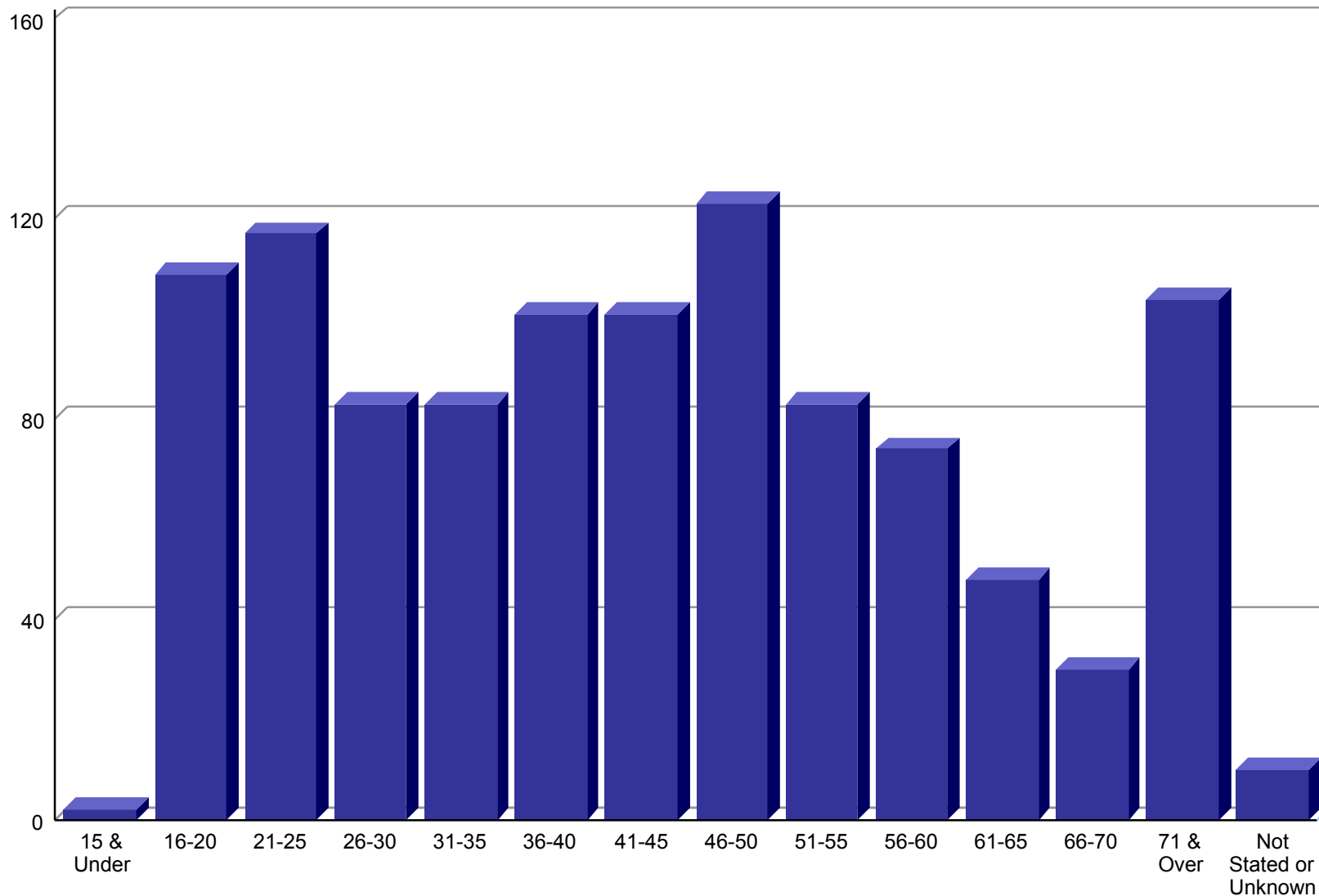
Date: Aug 25, 2008  
Time: 8:03:56 AM

| Driver Age Group      | Driver Totals | % of Total Drivers | # Drivers In Crashes | % Drivers Involved in Crashes |
|-----------------------|---------------|--------------------|----------------------|-------------------------------|
| 16 - 20               | 334,807       | 7.47%              | 21,449               | 13.68%                        |
| 21 - 25               | 400,796       | 8.95%              | 20,458               | 13.05%                        |
| 26 - 30               | 404,614       | 9.03%              | 16,492               | 10.52%                        |
| 31 - 35               | 376,153       | 8.40%              | 13,109               | 8.36%                         |
| 36 - 40               | 399,319       | 8.91%              | 13,466               | 8.59%                         |
| 41 - 45               | 437,801       | 9.77%              | 13,548               | 8.64%                         |
| 46 - 50               | 453,470       | 10.12%             | 13,342               | 8.51%                         |
| 51-55                 | 401,073       | 8.95%              | 10,968               | 6.99%                         |
| 56 - 60               | 353,292       | 7.89%              | 9,031                | 5.76%                         |
| 61 - 65               | 262,221       | 5.85%              | 6,209                | 3.96%                         |
| 66 - 70               | 204,081       | 4.56%              | 4,201                | 2.68%                         |
| 71 & Over             | 451,589       | 10.08%             | 8,669                | 5.53%                         |
| Not Stated or Unknown | 970           | 0.02%              | 5,873                | 3.75%                         |



**Missouri Department of Transportation**  
**Transportation Planning**  
***Fatal Crashes by Drivers Age for 2007***  
***1,069 Drivers Involved In***  
***700 Fatal Crashes***

Date: Aug 25, 2008  
Time: 8:06:47 AM



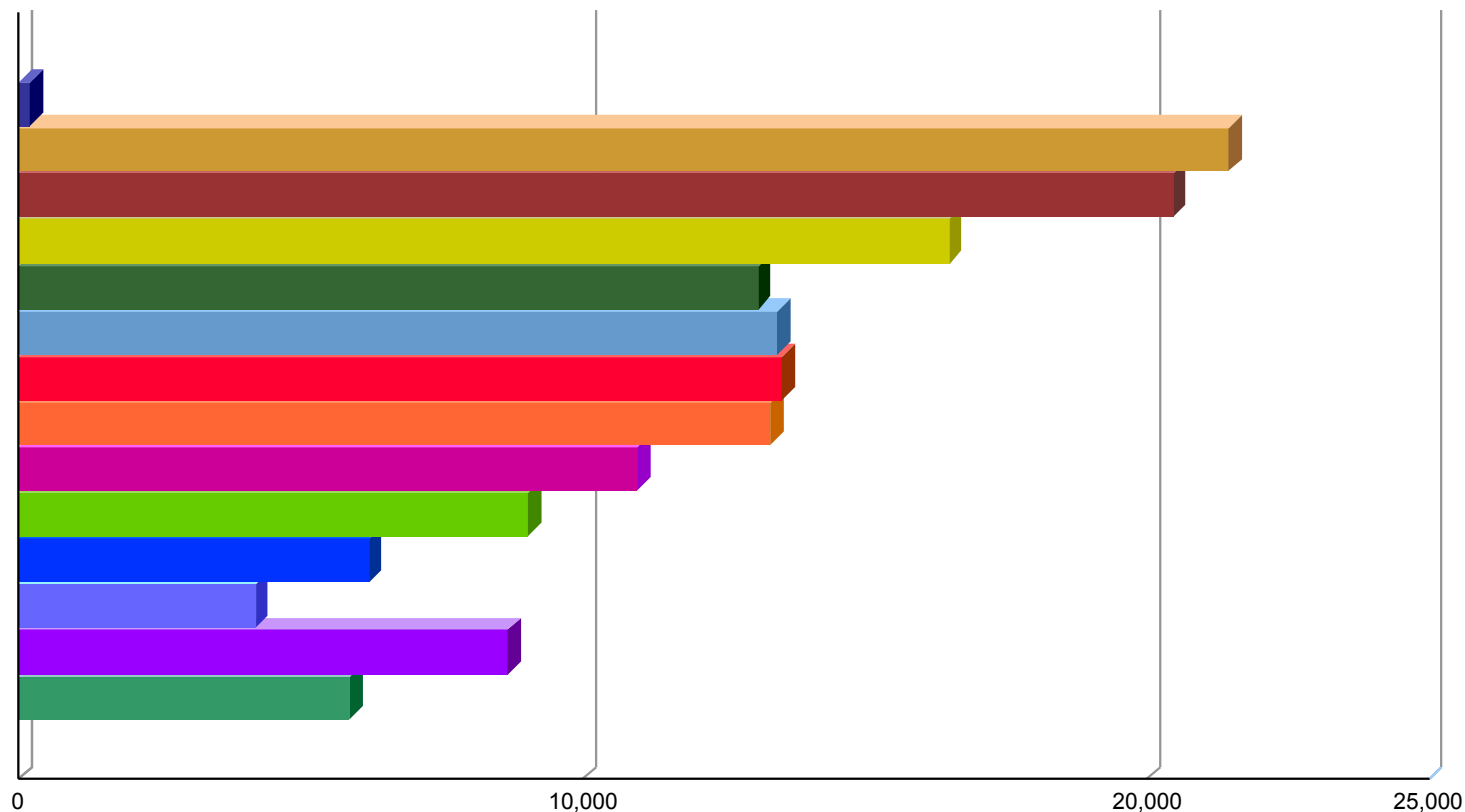
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**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Drivers Age for 2007**  
**157,026 Drivers Involved in 88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 8:07:47 AM

- 15 & Under
- 16-20
- 21-25
- 26-30
- 31-35
- 36-40
- 41-45
- 46-50
- 51-55
- 56-60
- 61-65
- 66-70
- 71 & Over
- Not Stated or Unknown



### **Chapter 1-G : CRASHES BY HOUR, DAY AND MONTH**

The hour of 5:00 p.m. to 6:00 p.m. was the hour of highest percentage of total crashes. The hour of 3:00 p.m. to 4:00 p.m. was the hour of the highest percentage of fatal crashes during 2007.

Saturday was the day with the largest percentage of fatal crashes at 14.68% and Friday accounted for the highest percentage of total crashes at 18.56%.

May had the largest number of fatal crashes in 2007. October had the largest number of injury crashes and December the largest number of total crashes in 2007.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Time of Day for 2007**

Date: Aug 25, 2008  
Time: 8:14:57 AM

| Time of Day       | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|-------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| 12:00M - 12:59 AM | 36            | 45               | 437            | 654            | 915           | 1,388         |
| 1:00 - 1:59 AM    | 30            | 31               | 451            | 639            | 894           | 1,375         |
| 2:00 - 2:59 AM    | 28            | 29               | 306            | 420            | 596           | 930           |
| 3:00 - 3:59 AM    | 16            | 16               | 277            | 408            | 559           | 852           |
| 4:00 - 4:59 AM    | 18            | 20               | 208            | 276            | 514           | 740           |
| 5:00 - 5:59 AM    | 23            | 26               | 372            | 473            | 913           | 1,308         |
| 6:00 - 6:59 AM    | 22            | 23               | 691            | 924            | 1,956         | 2,669         |
| 7:00 - 7:59 AM    | 31            | 31               | 1,234          | 1,756          | 3,836         | 5,101         |
| 8:00 - 8:59 AM    | 19            | 23               | 988            | 1,408          | 3,099         | 4,106         |
| 9:00 - 9:59 AM    | 16            | 20               | 878            | 1,183          | 2,414         | 3,308         |
| 10:00 - 10:59 AM  | 23            | 23               | 1,033          | 1,549          | 2,643         | 3,699         |
| 11:00 - 11:59 AM  | 35            | 42               | 1,261          | 1,892          | 3,216         | 4,512         |
| 12:00N - 12:59 PM | 27            | 36               | 1,444          | 2,142          | 3,945         | 5,416         |
| 1:00 - 1:59 PM    | 36            | 40               | 1,423          | 2,208          | 3,834         | 5,293         |
| 2:00 - 2:59 PM    | 32            | 36               | 1,577          | 2,369          | 4,156         | 5,765         |
| 3:00 - 3:59 PM    | 45            | 51               | 2,060          | 3,199          | 5,518         | 7,623         |
| 4:00 - 4:59 PM    | 42            | 46               | 1,996          | 3,080          | 5,679         | 7,717         |
| 5:00 - 5:59 PM    | 34            | 35               | 2,056          | 3,136          | 5,850         | 7,940         |
| 6:00 - 6:59 PM    | 26            | 29               | 1,401          | 2,169          | 3,823         | 5,250         |
| 7:00 - 7:59 PM    | 25            | 28               | 969            | 1,547          | 2,497         | 3,491         |
| 8:00 - 8:59 PM    | 37            | 40               | 840            | 1,277          | 2,092         | 2,969         |
| 9:00 - 9:59 PM    | 28            | 29               | 789            | 1,205          | 1,858         | 2,675         |
| 10:00 - 10:59 PM  | 42            | 44               | 668            | 998            | 1,539         | 2,249         |
| 11:00 - 11:59 PM  | 23            | 24               | 560            | 821            | 1,159         | 1,742         |
| NOT STATED        | 6             | 6                | 52             | 63             | 336           | 394           |
| <b>Totals</b>     | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |

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Missouri Department of Transportation  
Transportation Planning  
*Crashes by Day of Week for 2007*

Date: Aug 25, 2008  
Time: 8:10:12 AM

| Day of Week   | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|---------------|---------------|------------------|----------------|----------------|---------------|---------------|
| MONDAY        | 96            | 107              | 3,218          | 4,733          | 8,919         | 12,233        |
| TUESDAY       | 60            | 61               | 3,367          | 4,870          | 9,161         | 12,588        |
| WEDNESDAY     | 93            | 101              | 3,407          | 4,980          | 9,769         | 13,269        |
| THURSDAY      | 104           | 116              | 3,536          | 5,154          | 9,723         | 13,363        |
| FRIDAY        | 119           | 126              | 4,382          | 6,539          | 11,927        | 16,428        |
| SATURDAY      | 130           | 146              | 3,433          | 5,389          | 8,582         | 12,145        |
| SUNDAY        | 98            | 116              | 2,628          | 4,131          | 5,760         | 8,486         |
| UNKNOWN       | 0             | 0                | 0              | 0              | 0             | 0             |
| <b>Totals</b> | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |





**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Month for 2007**

Date: Aug 25, 2008  
Time: 8:13:53 AM

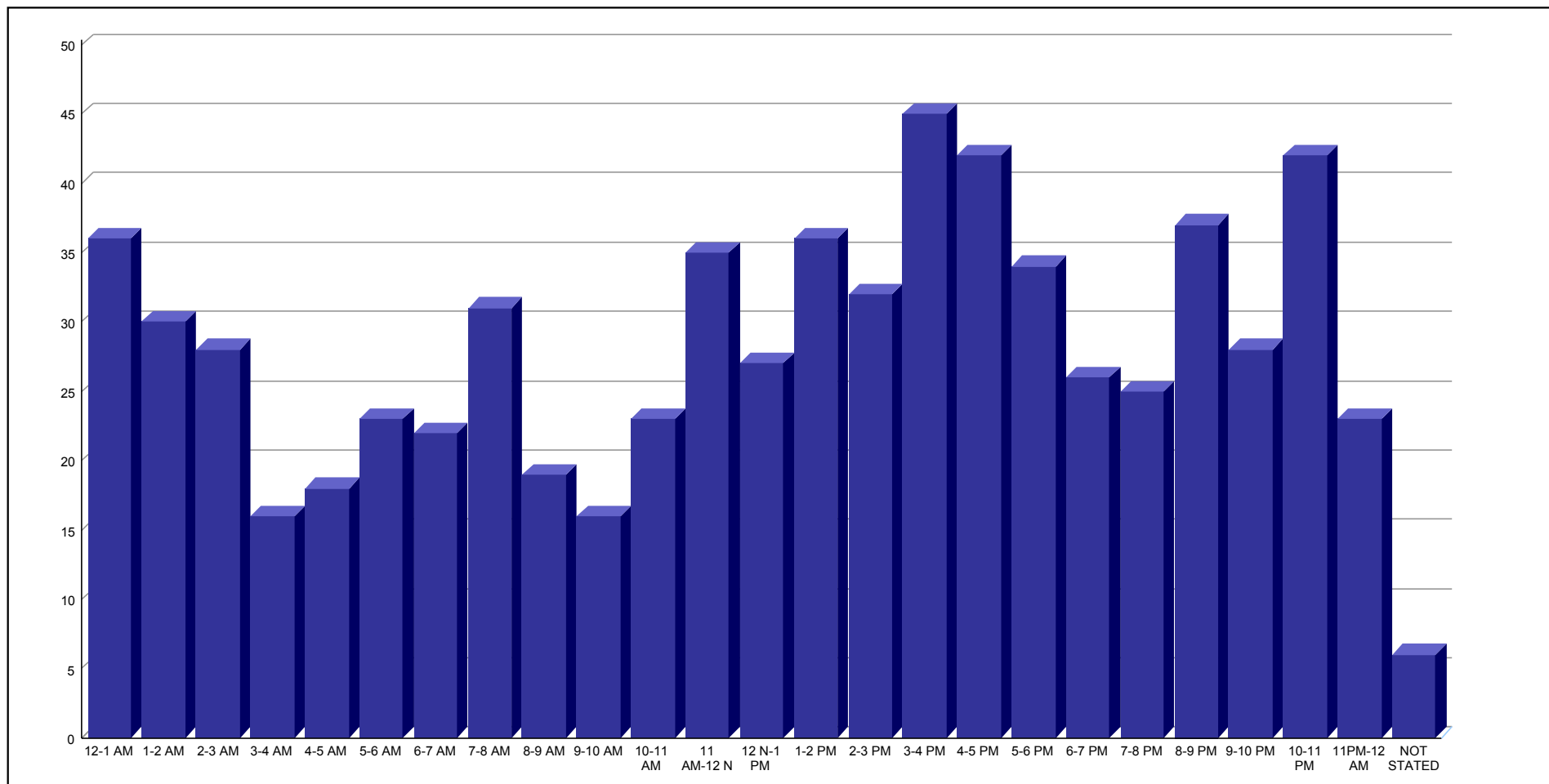
| Month         | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|---------------|---------------|------------------|----------------|----------------|---------------|---------------|
| JANUARY       | 53            | 60               | 1,959          | 2,800          | 6,043         | 8,055         |
| FEBRUARY      | 41            | 43               | 1,722          | 2,551          | 5,029         | 6,792         |
| MARCH         | 66            | 72               | 1,895          | 2,860          | 4,891         | 6,852         |
| APRIL         | 46            | 46               | 1,891          | 2,807          | 4,688         | 6,625         |
| MAY           | 71            | 82               | 2,039          | 3,149          | 5,222         | 7,332         |
| JUNE          | 57            | 66               | 1,993          | 2,945          | 5,055         | 7,105         |
| JULY          | 66            | 70               | 2,030          | 3,085          | 4,596         | 6,692         |
| AUGUST        | 61            | 69               | 2,127          | 3,220          | 5,283         | 7,471         |
| SEPTEMBER     | 65            | 72               | 2,049          | 3,087          | 4,876         | 6,990         |
| OCTOBER       | 61            | 66               | 2,170          | 3,276          | 5,828         | 8,059         |
| NOVEMBER      | 64            | 73               | 1,965          | 2,893          | 5,644         | 7,673         |
| DECEMBER      | 49            | 54               | 2,131          | 3,123          | 6,686         | 8,866         |
| <b>Totals</b> | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |



**Missouri Department of Transportation  
Transportation Planning  
Fatal Crashes by Time of Day for 2007  
700 Fatal Crashes**

Date: Aug 25, 2008  
Time: 8:17:42 AM

| 12-1 AM | 1-2 AM | 2-3 AM | 3-4 AM | 4-5 AM | 5-6 AM | 6-7 AM | 7-8 AM | 8-9 AM | 9-10 AM | 10-11 AM | 11 AM-12 N | 12 N-1 PM | 1-2 PM | 2-3 PM | 3-4 PM | 4-5 PM | 5-6 PM | 6-7 PM | 7-8 PM | 8-9 PM | 9-10 PM | 10-11 PM | 11PM-12 AM | NOT STATED |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------|------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------|------------|------------|
| 36      | 30     | 28     | 16     | 18     | 23     | 22     | 31     | 19     | 16      | 23       | 35         | 27        | 36     | 32     | 45     | 42     | 34     | 26     | 25     | 37     | 28      | 42       | 23         | 6          |

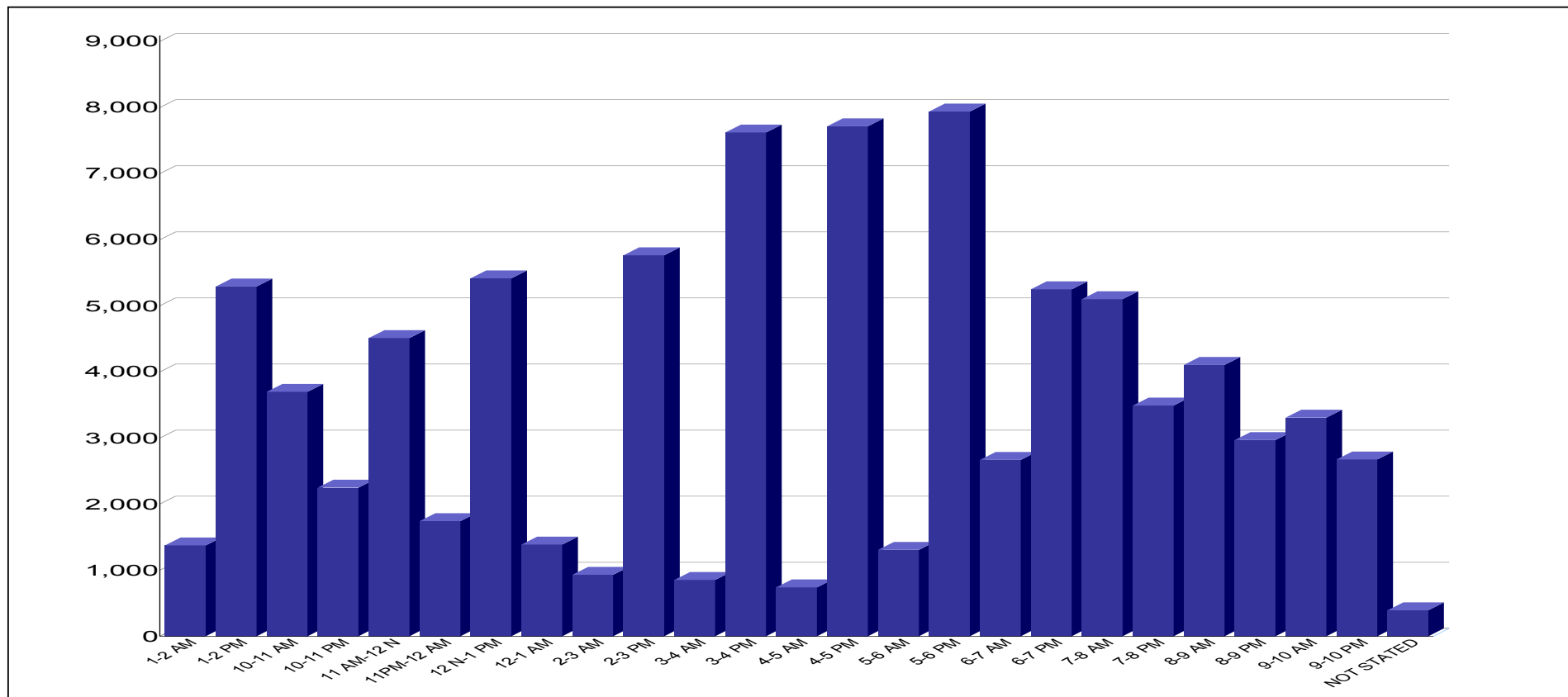




Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Time of Day for 2007  
88,512 Total Crashes

Date: Aug 25, 2008  
Time: 8:20:05 AM

| 12-1 AM | 1-2 AM | 2-3 AM | 3-4 AM | 4-5 AM | 5-6 AM | 6-7 AM | 7-8 AM | 8-9 AM | 9-10 AM | 10-11 AM | 11 AM-12 N | 12 N-1 PM | 1-2 PM | 2-3 PM | 3-4 PM | 4-5 PM | 5-6 PM | 6-7 PM | 7-8 PM | 8-9 PM | 9-10 PM | 10-11 PM | 11PM-12 AM | NOT STATED |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------|------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------|------------|------------|
| 1,388   | 1,375  | 930    | 852    | 740    | 1,308  | 2,669  | 5,101  | 4,106  | 3,308   | 3,699    | 4,512      | 5,416     | 5,293  | 5,765  | 7,623  | 7,717  | 7,940  | 5,250  | 3,491  | 2,969  | 2,675   | 2,249    | 1,742      | 394        |



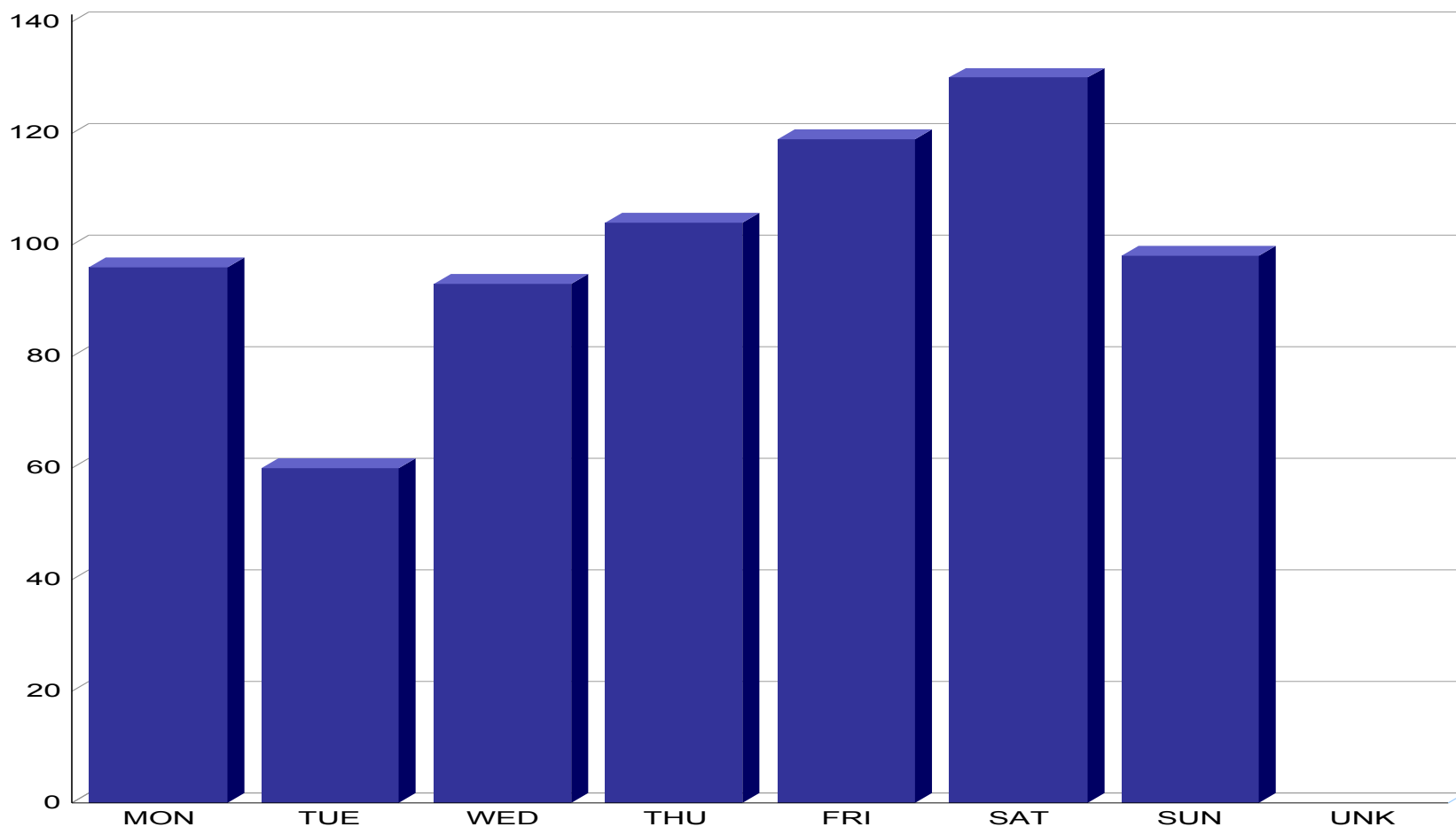
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**Missouri Department of Transportation**  
**Transportation Planning**  
**Fatal Crashes by Day of Week for 2007**  
**700 Fatal Crashes**

Date: Aug 25, 2008  
Time: 8:15:49 AM

| MON | TUE | WED | THU | FRI | SAT | SUN | UNK |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 96  | 60  | 93  | 104 | 119 | 130 | 98  | 0   |

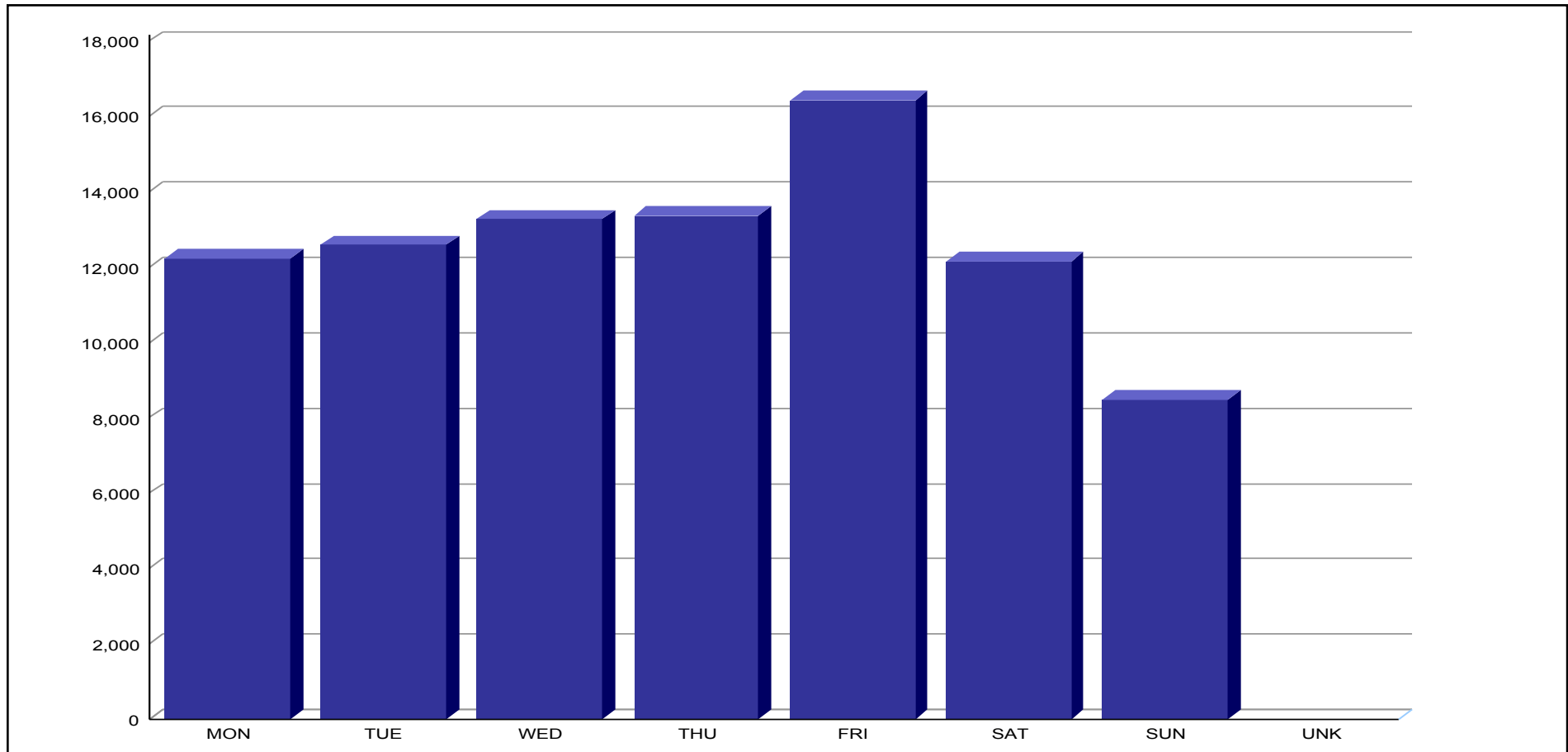




**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Day of Week for 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 8:18:39 AM

| MON    | TUE    | WED    | THU    | FRI    | SAT    | SUN   | UNK |
|--------|--------|--------|--------|--------|--------|-------|-----|
| 12,233 | 12,588 | 13,269 | 13,363 | 16,428 | 12,145 | 8,486 | 0   |



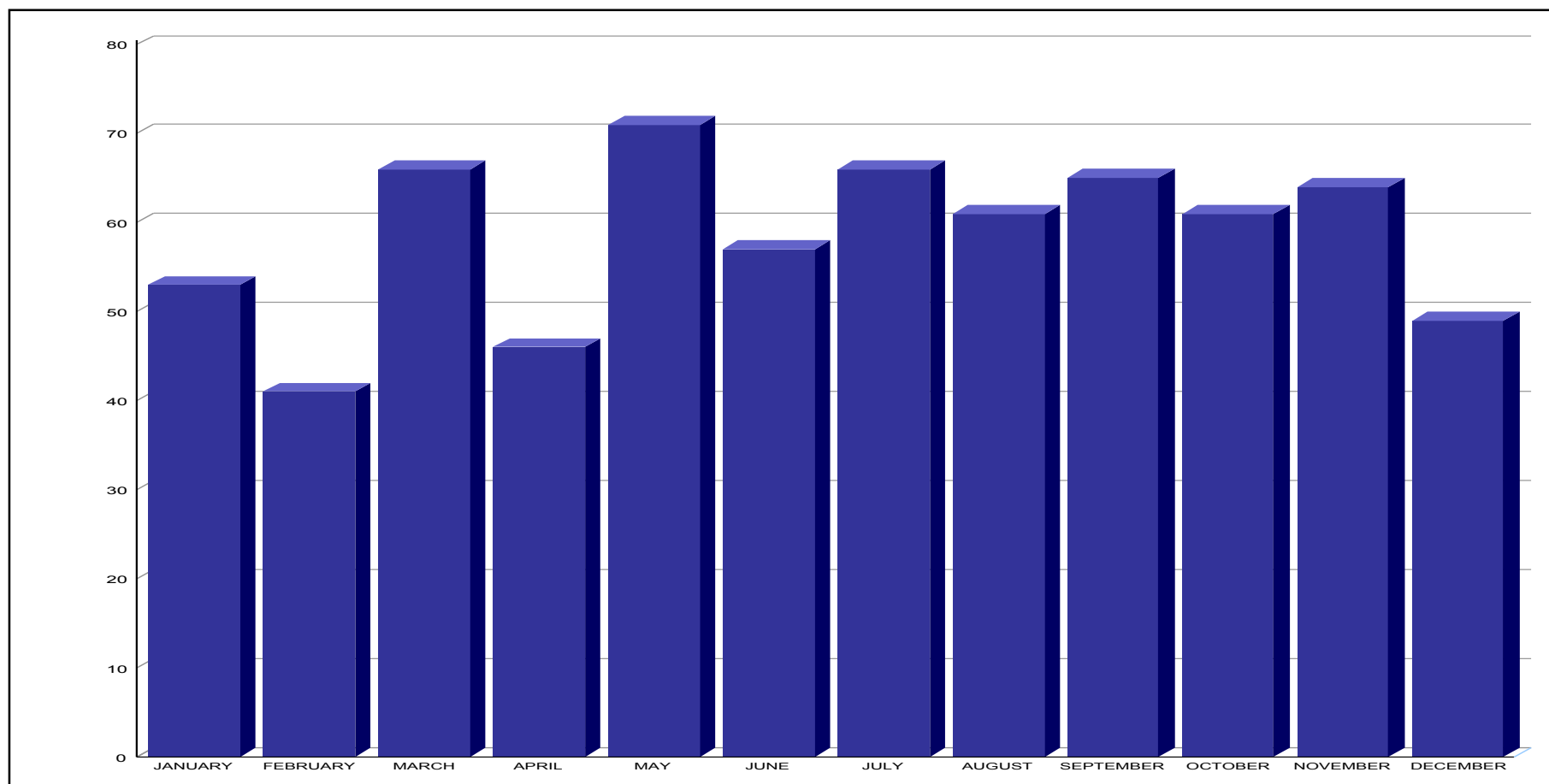
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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Month For 2007*  
700 Fatal Crashes

Date: Aug 25, 2008  
Time: 8:16:55 AM

| JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|
| 53      | 41       | 66    | 46    | 71  | 57   | 66   | 61     | 65        | 61      | 64       | 49       |



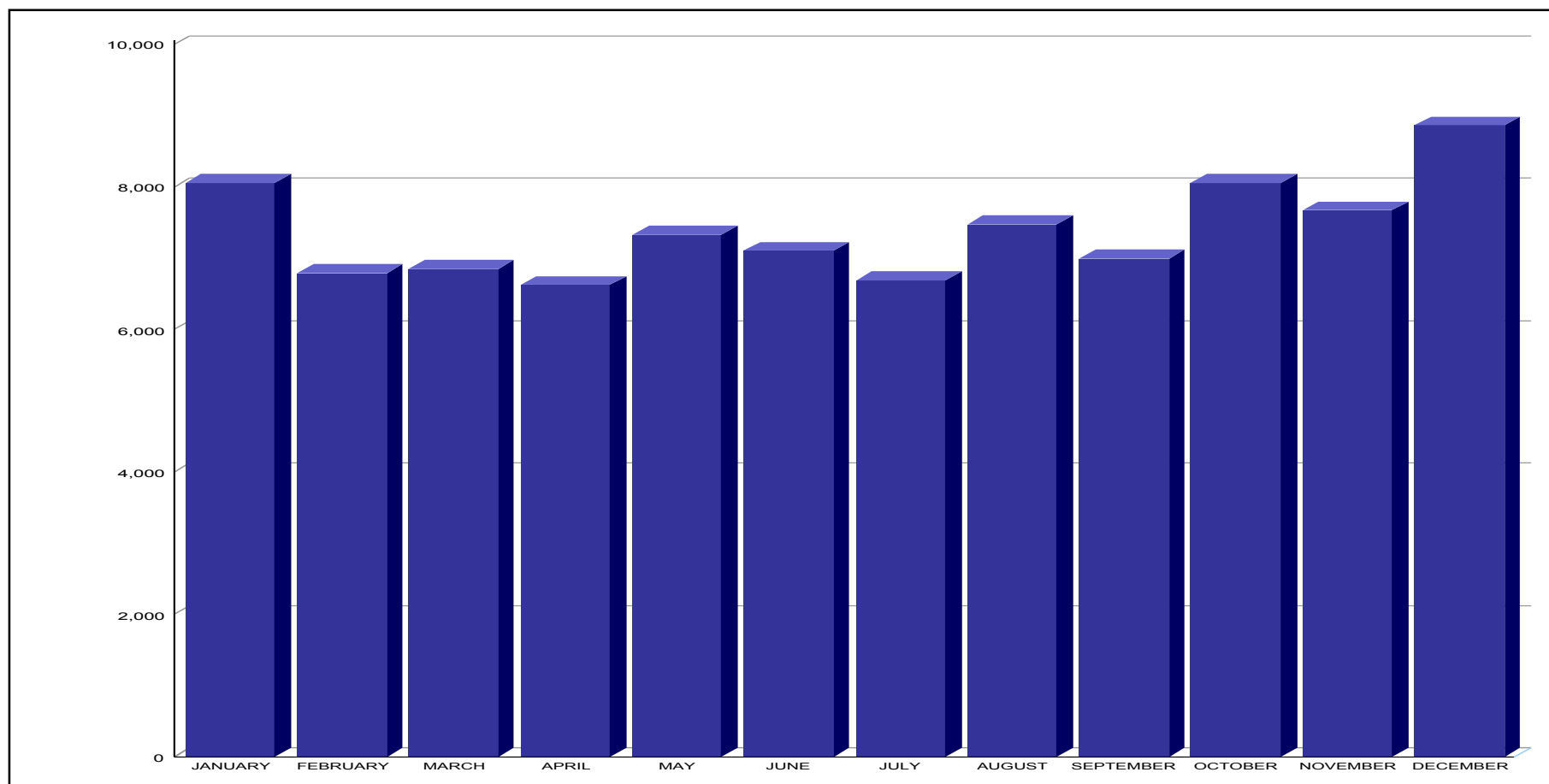
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Missouri Department of Transportation  
Transportation Planning  
*Total Crashes by Month For 2007*  
88,512 Total Crashes

Date: Aug 25, 2008  
Time: 8:19:23 AM

| JANUARY | FEBRUARY | MARCH | APRIL | MAY  | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 8055    | 6792     | 6852  | 6625  | 7332 | 7105 | 6692 | 7471   | 6990      | 8059    | 7673     | 8866     |



### **Chapter 1-H : CRASHES BY WEATHER CONDITION**

The examination of weather conditions reveals that, in 2007, a majority of fatal, injury and total crashes occurred under ideal weather conditions.





**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Weather Condition for 2007**

Date: Aug 25, 2008  
Time: 8:21:12 AM

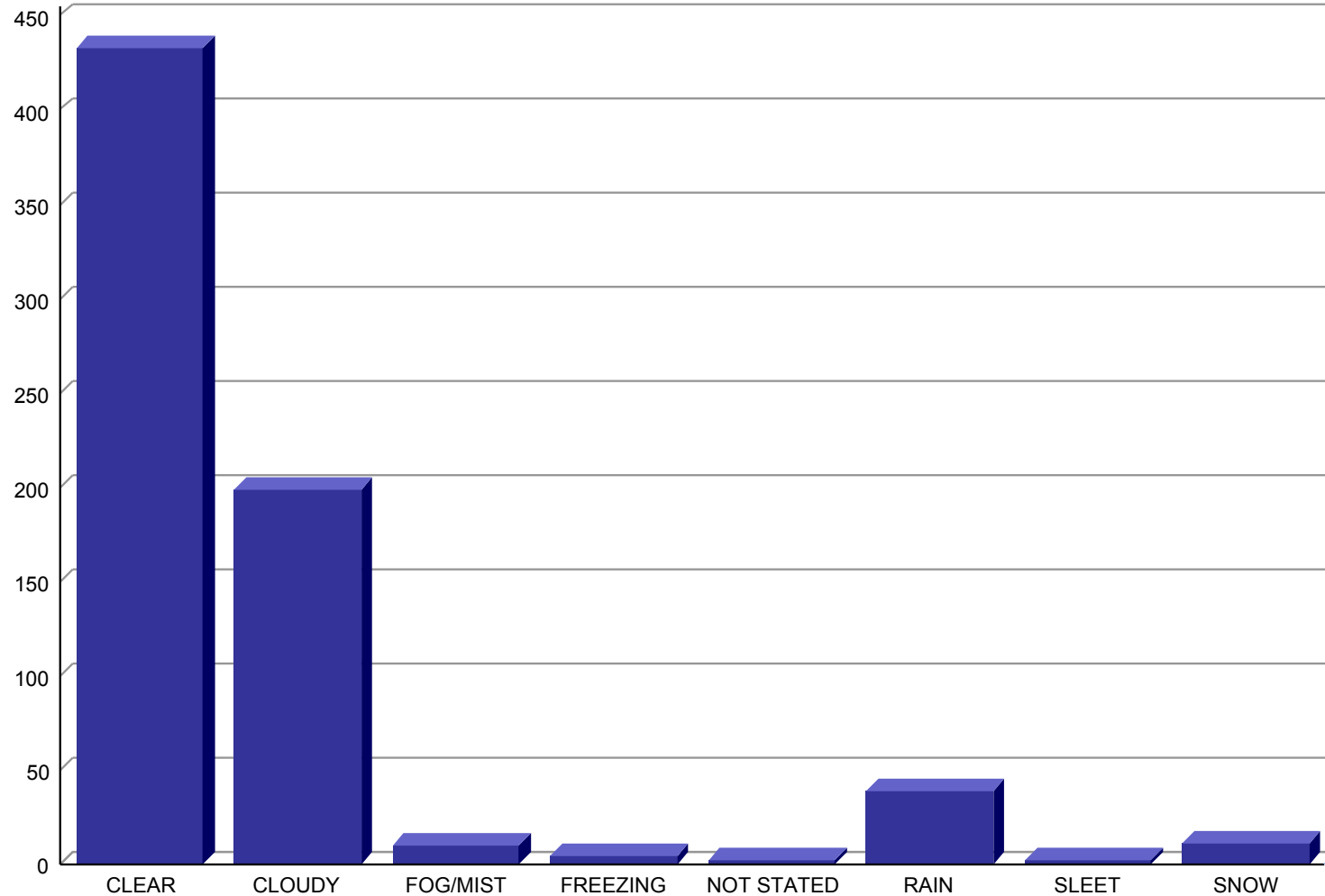
| Weather Condition | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|-------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| CLEAR             | 433           | 477              | 14,294         | 21,470         | 36,690        | 51,417        |
| CLOUDY            | 199           | 219              | 6,801          | 10,221         | 16,606        | 23,606        |
| FOG/MIST          | 10            | 11               | 169            | 243            | 354           | 533           |
| FREEZING          | 4             | 5                | 149            | 223            | 427           | 580           |
| NOT STATED        | 2             | 3                | 78             | 102            | 2,037         | 2,117         |
| RAIN              | 39            | 45               | 1,575          | 2,290          | 4,606         | 6,220         |
| SLEET             | 2             | 2                | 183            | 238            | 519           | 704           |
| SNOW              | 11            | 11               | 722            | 1,009          | 2,602         | 3,335         |
| <b>Totals</b>     | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |



Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Weather Condition for 2007*  
700 Fatal Crashes

Date: Aug 25, 2008  
Time: 8:22:34 AM

| CLEAR | CLOUDY | FOG/MIST | FREEZING | NOT STATED | RAIN | SLEET | SNOW |
|-------|--------|----------|----------|------------|------|-------|------|
| 433   | 199    | 10       | 4        | 2          | 39   | 2     | 11   |



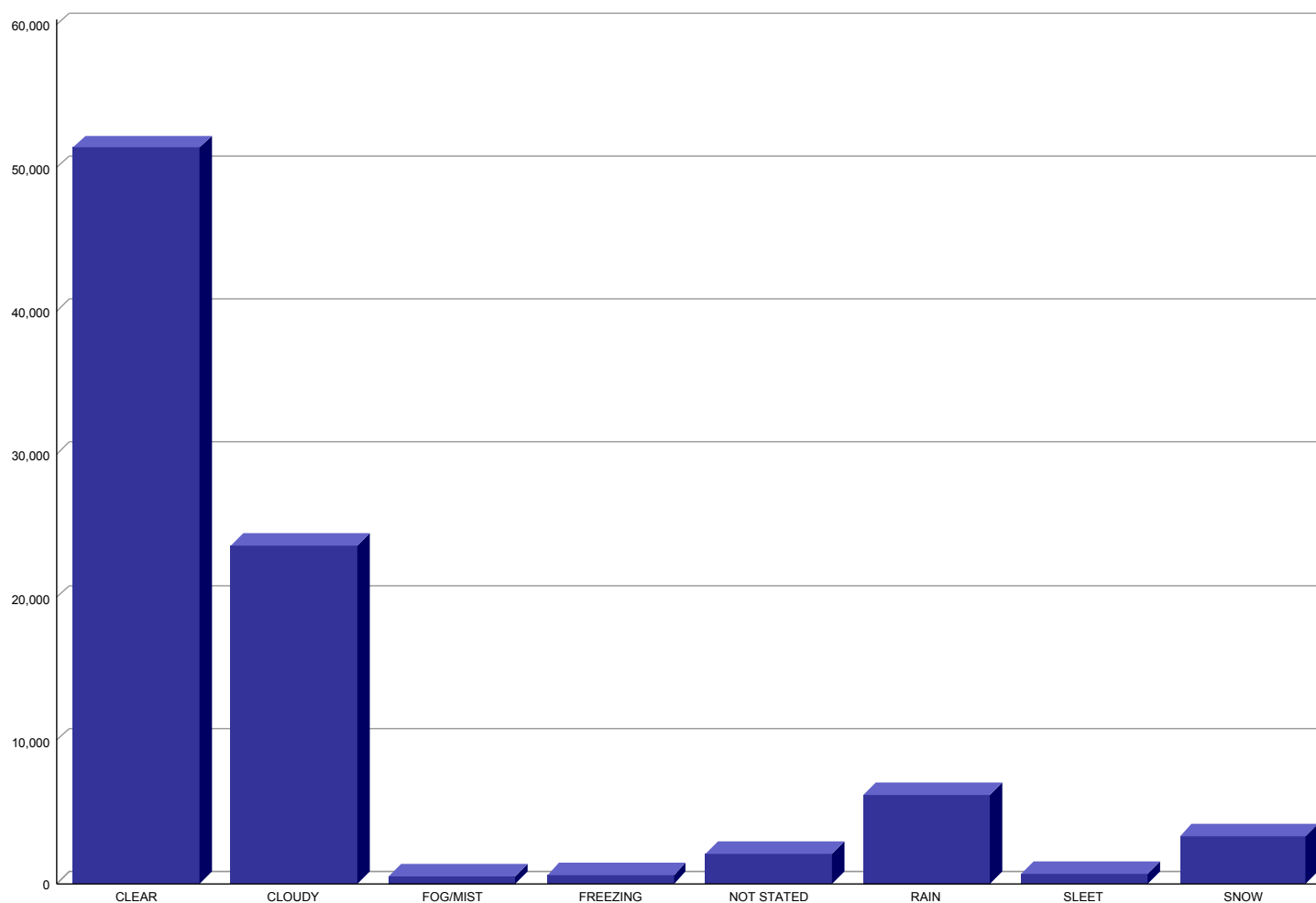
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**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Weather Condition for 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 8:23:12 AM

| CLEAR  | CLOUDY | FOG/MIST | FREEZING | NOT STATED | RAIN  | SLEET | SNOW  |
|--------|--------|----------|----------|------------|-------|-------|-------|
| 51,417 | 23,606 | 533      | 580      | 2,117      | 6,220 | 704   | 3,335 |



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### **Chapter 1-I : CRASHES BY VEHICLE TYPE**

This section reviews the types of vehicles involved in crashes. The totals shown represent all vehicles as a separate crash; therefore, vehicle totals will not agree with the crash totals.

In 2007, the percent of passenger cars involved in fatal crashes was 0.06%. For motorcycles, the percentage was 4.09%.



**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Vehicle Type for 2007**

Date: Aug 25, 2008  
Time: 8:25:42 AM

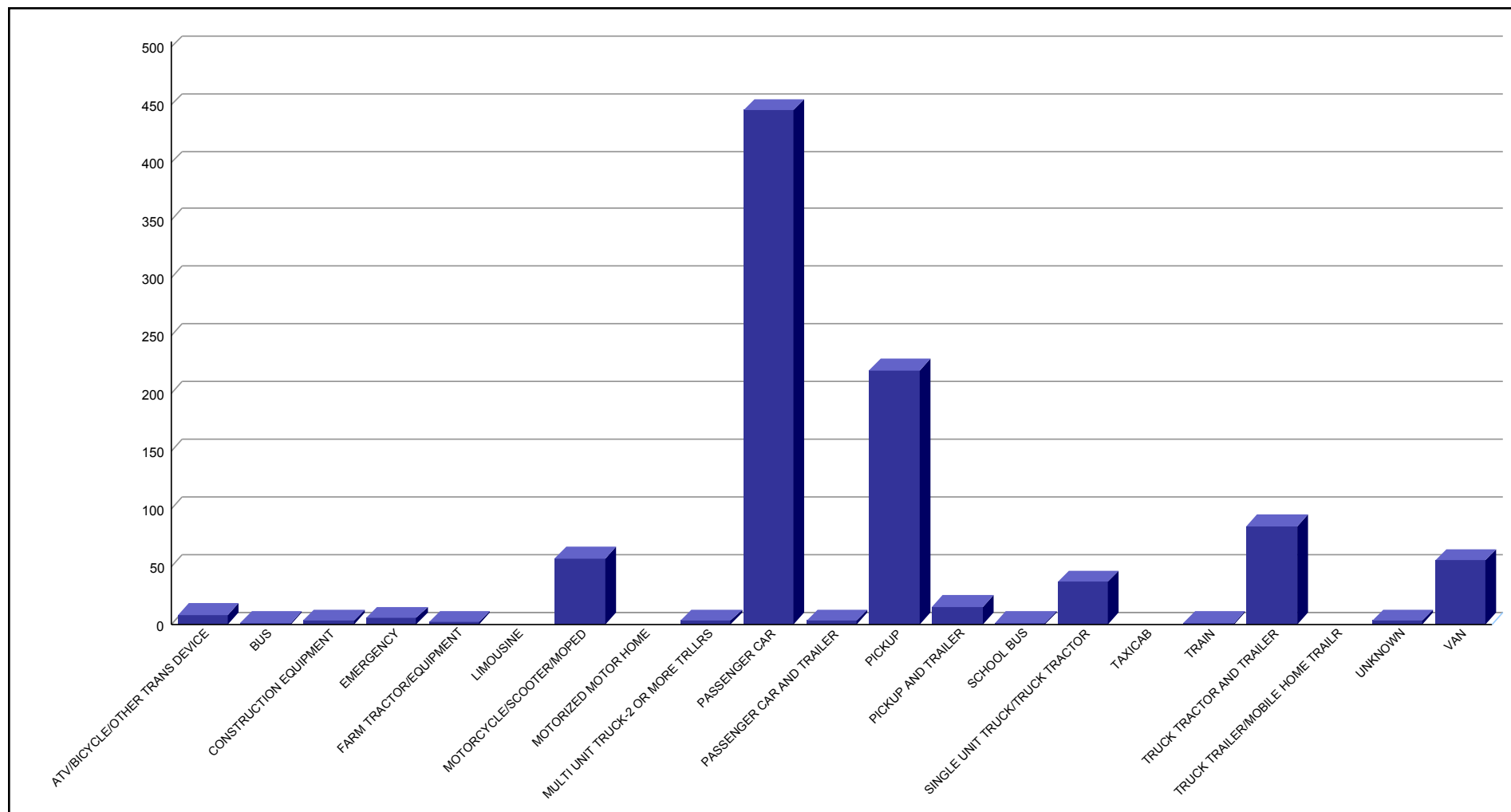
| Vehicle Type                      | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes  |
|-----------------------------------|---------------|------------------|----------------|----------------|---------------|----------------|
| ATV/BICYCLE/OTHER TRANS DEVICE    | 8             | 10               | 168            | 217            | 485           | 661            |
| BUS                               | 1             | 1                | 49             | 169            | 141           | 191            |
| CONSTRUCTION EQUIPMENT            | 3             | 3                | 11             | 17             | 54            | 68             |
| EMERGENCY                         | 5             | 6                | 167            | 279            | 696           | 868            |
| FARM TRACTOR/EQUIPMENT            | 2             | 2                | 36             | 49             | 90            | 128            |
| LIMOUSINE                         | 0             | 0                | 7              | 13             | 24            | 31             |
| MOTORCYCLE/SCOOTER/MOPED          | 57            | 61               | 1,098          | 1,306          | 240           | 1,395          |
| MOTORIZED MOTOR HOME              | 0             | 0                | 24             | 42             | 81            | 105            |
| MULTI UNIT TRUCK-2 OR MORE TRLLRS | 3             | 4                | 46             | 64             | 139           | 188            |
| PASSENGER CAR                     | 445           | 496              | 19,312         | 29,462         | 52,398        | 72,155         |
| PASSENGER CAR AND TRAILER         | 3             | 3                | 63             | 128            | 184           | 250            |
| PICKUP                            | 220           | 246              | 6,429          | 9,994          | 17,731        | 24,380         |
| PICKUP AND TRAILER                | 15            | 16               | 315            | 519            | 1,196         | 1,526          |
| SCHOOL BUS                        | 1             | 1                | 62             | 237            | 196           | 259            |
| SINGLE UNIT TRUCK/TRUCK TRACTOR   | 37            | 38               | 674            | 983            | 2,359         | 3,070          |
| TAXICAB                           | 0             | 0                | 0              | 0              | 0             | 0              |
| TRAIN                             | 1             | 1                | 8              | 12             | 8             | 17             |
| TRUCK TRACTOR AND TRAILER         | 85            | 98               | 1,128          | 1,630          | 3,839         | 5,052          |
| TRUCK TRAILER/MOBILE HOME TRAILR  | 0             | 0                | 0              | 0              | 0             | 0              |
| UNKNOWN                           | 3             | 3                | 112            | 162            | 689           | 804            |
| VAN                               | 55            | 68               | 2,774          | 4,653          | 7,390         | 10,219         |
| <b>Totals</b>                     | <b>944</b>    | <b>1,057</b>     | <b>32,483</b>  | <b>49,936</b>  | <b>87,940</b> | <b>121,367</b> |

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**Missouri Department of Transportation**  
**Transportation Planning**  
**Fatal Crashes by Vehicle Type for Year 2007**  
**944 Vehicles in Fatal Crashes**

Date: Aug 25, 2008  
Time: 8:26:33 AM

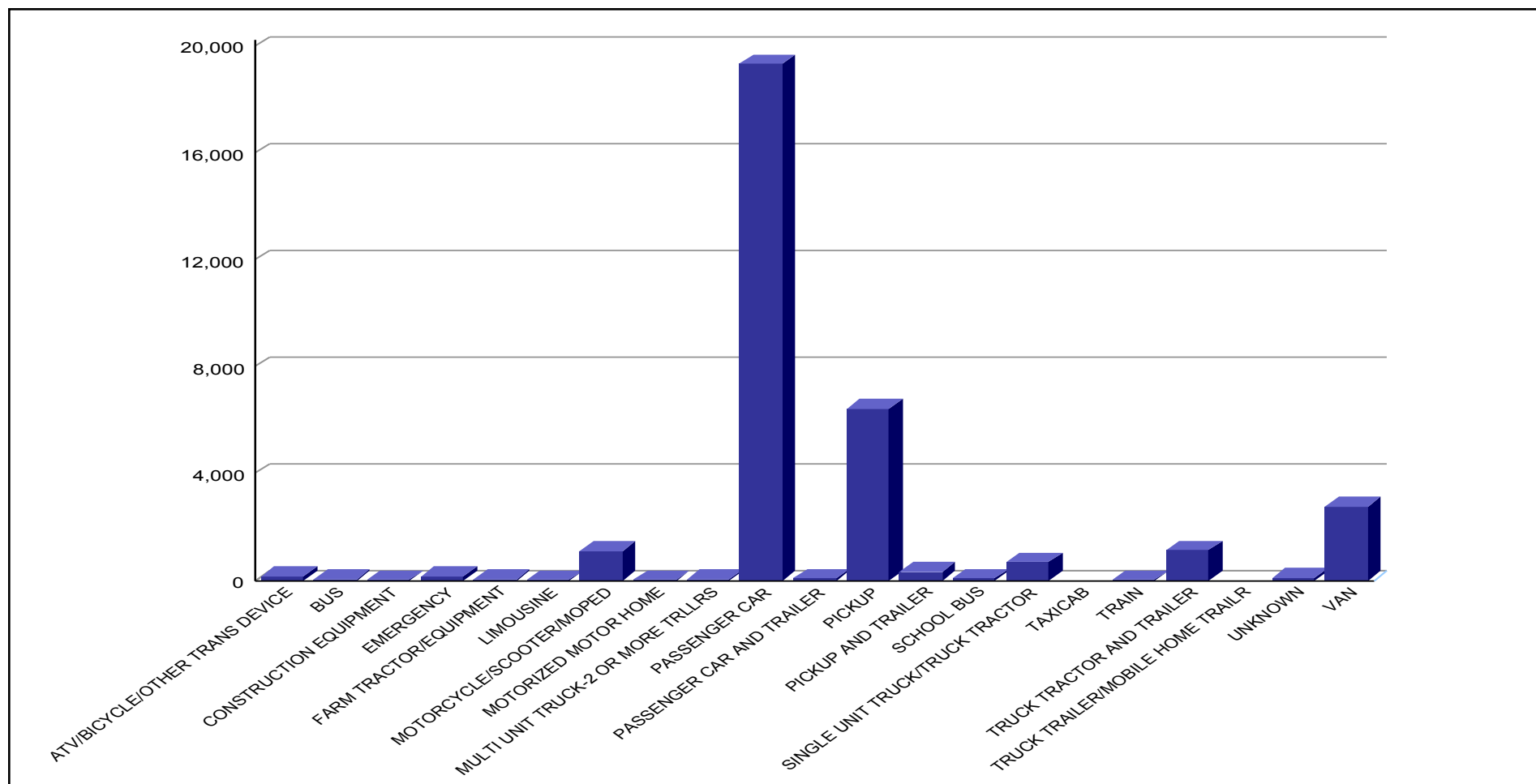


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**Missouri Department of Transportation**  
**Transportation Planning**  
***Injury Crashes by Vehicle Type For 2007***  
**32,483 Vehicles in Injury Crashes**

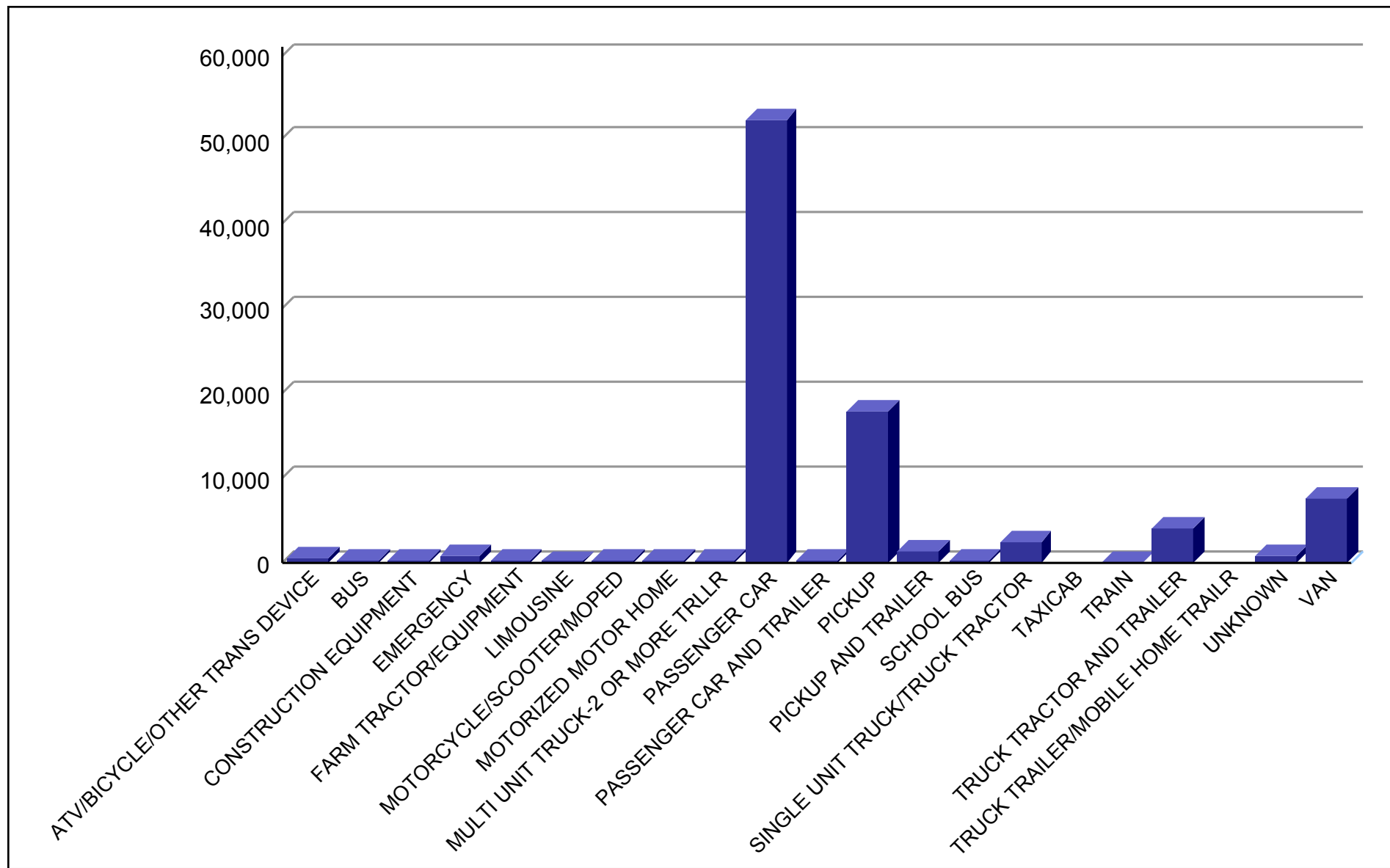
Date: Aug 25, 2008  
Time: 8:27:25 AM





Missouri Department of Transportation  
Transportation Planning  
*PDO Crashes by Vehicle Type for 2007*  
87,940 Vehicles in PDO Crashes

Date: Aug 25, 2008  
Time: 8:28:16 AM



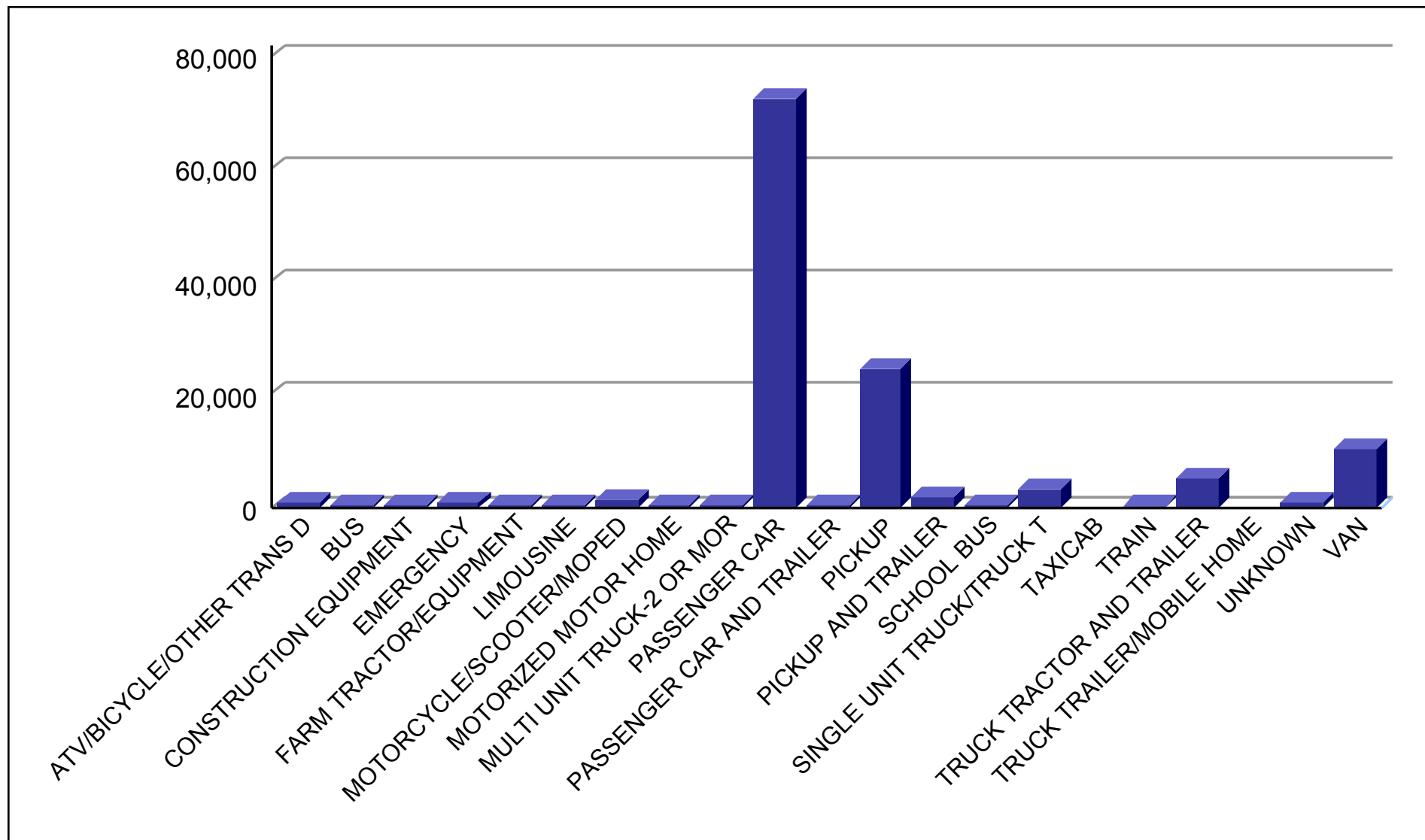
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.





**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Vehicle Type for 2007**  
**121,367 Vehicles in Total Crashes**

Date: Aug 25, 2008  
Time: 8:28:57 AM



### **Chapter 1-J : CRASHES BY LIGHT CONDITION**

This section reviews the total reported crashes to determine whether they occurred during dark hours or daylight hours.

During 2007, 71.8% of the total crashes and 53.8% of the fatal crashes occurred during daylight hours.



**Missouri Department of Transportation**  
**Transportation Planning**  
***Crashes by Light Condition For 2007***

Date: Aug 25, 2008  
Time: 8:30:03 AM

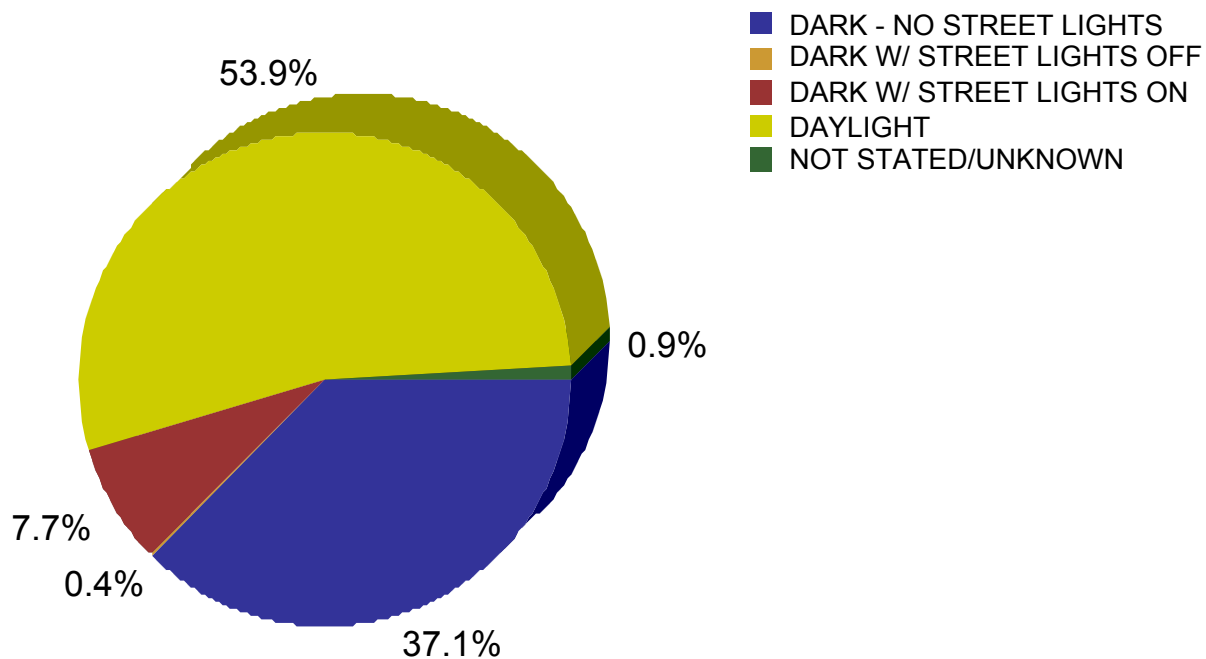
| Light Condition           | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|---------------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| DARK - NO STREET LIGHTS   | 260           | 282              | 3,663          | 5,333          | 8,754         | 12,677        |
| DARK W/ STREET LIGHTS OFF | 3             | 3                | 100            | 152            | 320           | 423           |
| DARK W/ STREET LIGHTS ON  | 54            | 57               | 2,870          | 4,339          | 7,801         | 10,725        |
| DAYLIGHT                  | 377           | 425              | 17,088         | 25,621         | 46,112        | 63,577        |
| NOT STATED/UNKNOWN        | 6             | 6                | 250            | 351            | 854           | 1,110         |
| <b>Totals</b>             | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |



**Missouri Department of Transportation**  
**Transportation Planning**  
**Fatal Crashes by Light Condition for 2007**  
**700 Fatal Crashes**

Date: Aug 25, 2008  
Time: 8:31:03 AM

| Light Condition           | Total Fatal Crashes |
|---------------------------|---------------------|
| DARK - NO STREET LIGHTS   | 260                 |
| DARK W/ STREET LIGHTS OFF | 3                   |
| DARK W/ STREET LIGHTS ON  | 54                  |
| DAYLIGHT                  | 377                 |
| NOT STATED/UNKNOWN        | 6                   |

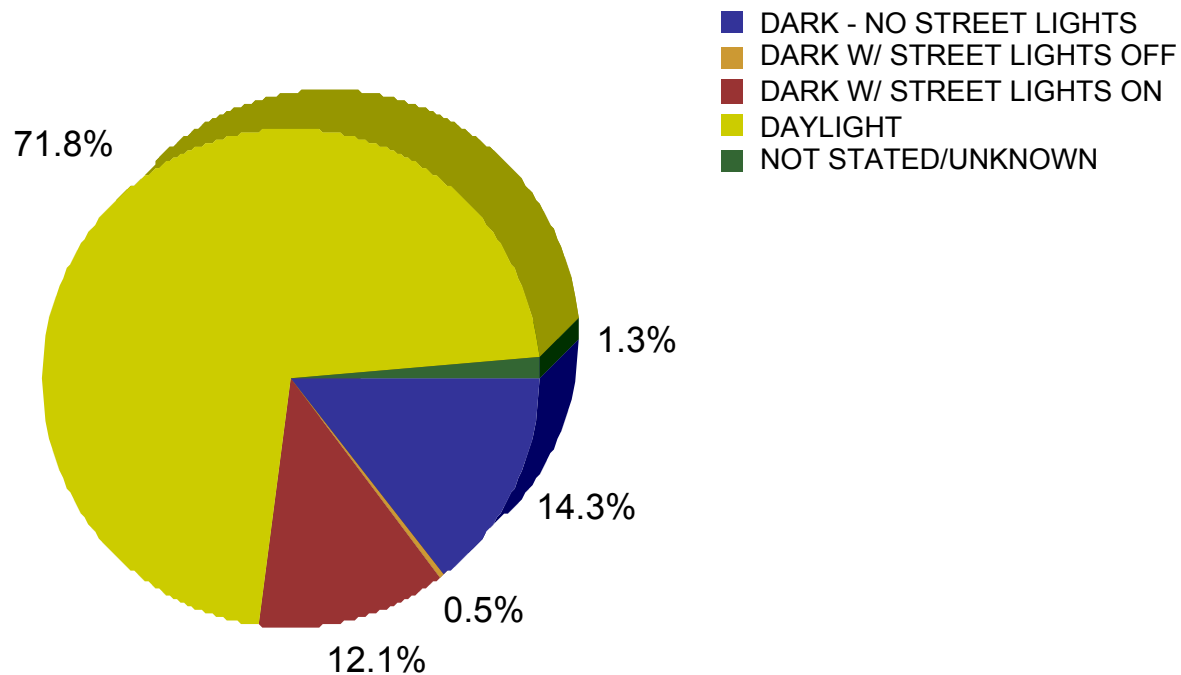




**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Light Condition for 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 8:32:25 AM

| Light Condition           | Total Crashes |
|---------------------------|---------------|
| DARK - NO STREET LIGHTS   | 12,677        |
| DARK W/ STREET LIGHTS OFF | 423           |
| DARK W/ STREET LIGHTS ON  | 10,725        |
| DAYLIGHT                  | 63,577        |
| NOT STATED/UNKNOWN        | 1,110         |



### **Chapter 1-K : CRASHES BY FIXED OBJECT STRUCK**

This section examines all accidents involving vehicle contact with a fixed object. In 2007, 45.8% of fatal crashes involved embankments and trees as the fixed object. These two fixed objects represented 26.9% of the total crashes when a fixed object was struck.



**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Fixed Object Struck For 2007**

Date: Aug 25, 2008  
Time: 8:33:19 AM

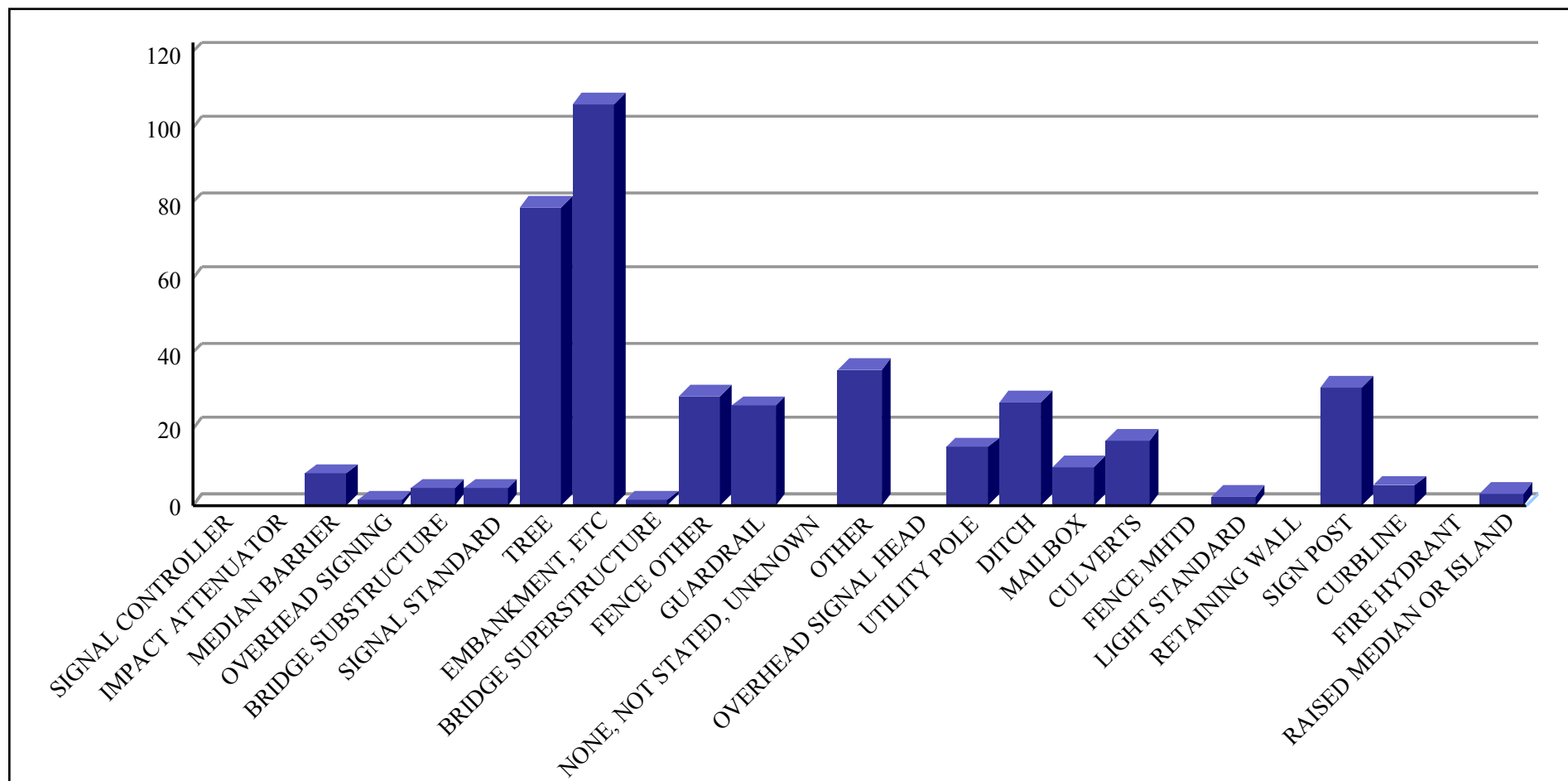
| Fixed Object Struck       | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|---------------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| BRIDGE SUBSTRUCTURE       | 4             | 5                | 103            | 133            | 150           | 257           |
| BRIDGE SUPERSTRUCTURE     | 1             | 1                | 5              | 8              | 7             | 13            |
| CULVERTS                  | 17            | 17               | 341            | 426            | 322           | 680           |
| CURBLINE                  | 5             | 5                | 183            | 251            | 483           | 671           |
| DITCH                     | 27            | 30               | 1,011          | 1,300          | 1,373         | 2,411         |
| EMBANKMENT, ETC           | 106           | 113              | 2,064          | 2,690          | 2,072         | 4,242         |
| FENCE MHTD                | 0             | 0                | 0              | 0              | 0             | 0             |
| FENCE OTHER               | 29            | 32               | 676            | 854            | 1,150         | 1,855         |
| FIRE HYDRANT              | 0             | 0                | 8              | 14             | 32            | 40            |
| GUARDRAIL                 | 26            | 26               | 717            | 917            | 1,584         | 2,327         |
| IMPACT ATTENUATOR         | 0             | 0                | 18             | 22             | 31            | 49            |
| LIGHT STANDARD            | 2             | 2                | 60             | 76             | 186           | 248           |
| MAILBOX                   | 10            | 11               | 166            | 211            | 259           | 435           |
| MEDIAN BARRIER            | 8             | 8                | 313            | 413            | 1,659         | 1,980         |
| NONE, NOT STATED, UNKNOWN | 0             | 0                | 0              | 0              | 0             | 0             |
| OTHER                     | 36            | 38               | 404            | 539            | 791           | 1,231         |
| OVERHEAD SIGNAL HEAD      | 0             | 0                | 0              | 0              | 0             | 0             |
| OVERHEAD SIGNING          | 1             | 1                | 7              | 8              | 16            | 24            |
| RAISED MEDIAN OR ISLAND   | 3             | 3                | 551            | 676            | 1,055         | 1,609         |
| RETAINING WALL            | 0             | 0                | 85             | 106            | 99            | 184           |
| SIGN POST                 | 31            | 34               | 628            | 826            | 1,543         | 2,202         |
| SIGNAL CONTROLLER         | 0             | 0                | 0              | 0              | 0             | 0             |
| SIGNAL STANDARD           | 4             | 4                | 61             | 72             | 126           | 191           |
| TREE                      | 79            | 88               | 1,093          | 1,448          | 924           | 2,096         |
| UTILITY POLE              | 15            | 17               | 336            | 420            | 494           | 845           |
| <b>Totals</b>             | <b>404</b>    | <b>435</b>       | <b>8,830</b>   | <b>11,410</b>  | <b>14,356</b> | <b>23,590</b> |

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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Fixed Object Struck for 2007*  
404 Fatal Crashes

Date: Aug 25, 2008  
Time: 8:34:16 AM

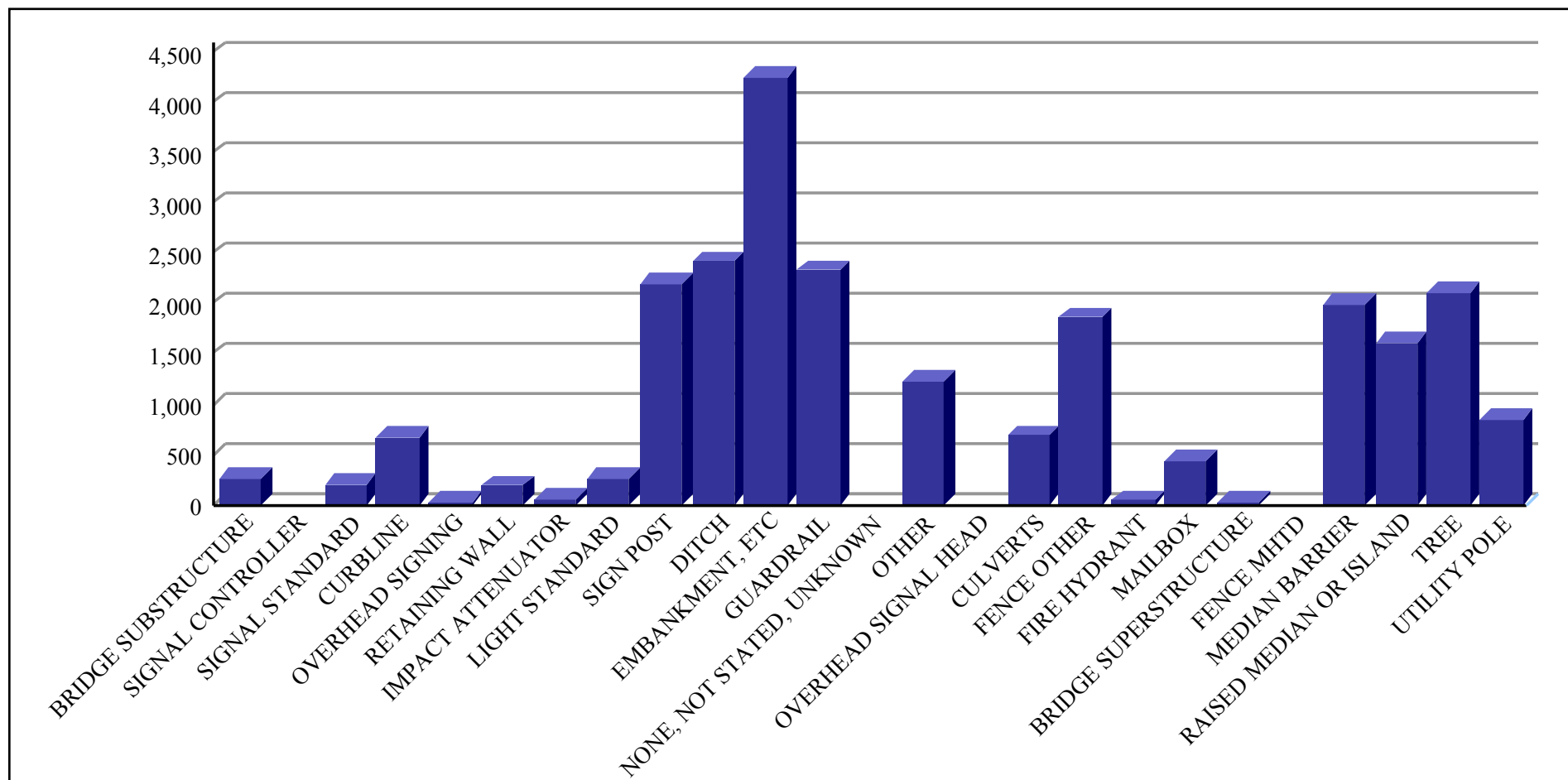






**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Fixed Object Struck for 2007**  
**23,590 Total Crashes**

Date: Aug 25, 2008  
Time: 8:35:01 AM



### **Chapter 1-L : CRASHES BY INTERSECTION TYPE**

In 2007, 41.5% of the total crashes occurring on the Missouri Highway System were at intersections with public roads or streets. These crashes resulted in 24.7% of the total fatal crashes. Interchanges represented 20.6% of the total crashes and 8.6% of fatal crashes.



Missouri Department of Transportation  
Transportation Planning  
*Crashes by Intersection Type for 2007*

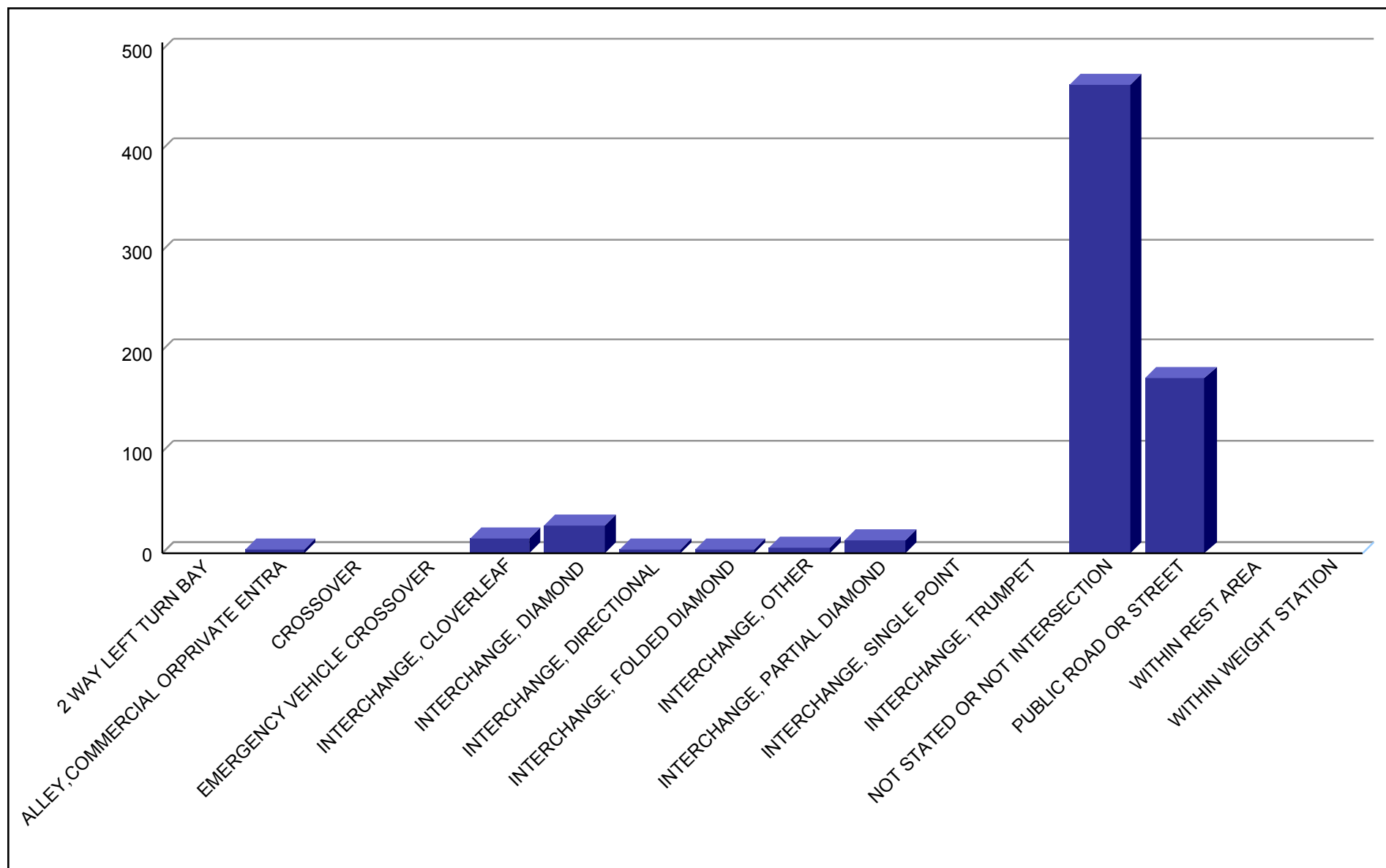
Date: Aug 25, 2008  
Time: 8:36:02 AM

| Intersection Type                  | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|------------------------------------|---------------|------------------|----------------|----------------|---------------|---------------|
| 2 WAY LEFT TURN BAY                | 0             | 0                | 0              | 0              | 0             | 0             |
| ALLEY,COMMERCIAL ORPRIVATE ENTRANC | 2             | 2                | 185            | 277            | 563           | 750           |
| CROSSOVER                          | 0             | 0                | 0              | 0              | 0             | 0             |
| EMERGENCY VEHICLE CROSSOVER        | 0             | 0                | 0              | 0              | 0             | 0             |
| INTERCHANGE, CLOVERLEAF            | 13            | 14               | 407            | 556            | 1,288         | 1,708         |
| INTERCHANGE, DIAMOND               | 26            | 30               | 1,963          | 2,815          | 7,072         | 9,061         |
| INTERCHANGE, DIRECTIONAL           | 3             | 3                | 520            | 719            | 1,575         | 2,098         |
| INTERCHANGE, FOLDED DIAMOND        | 2             | 2                | 90             | 135            | 323           | 415           |
| INTERCHANGE, OTHER                 | 4             | 5                | 479            | 688            | 1,527         | 2,010         |
| INTERCHANGE, PARTIAL DIAMOND       | 12            | 12               | 623            | 857            | 2,012         | 2,647         |
| INTERCHANGE, SINGLE POINT          | 0             | 0                | 15             | 16             | 86            | 101           |
| INTERCHANGE, TRUMPET               | 0             | 0                | 47             | 57             | 171           | 218           |
| NOT STATED OR NOT INTERSECTION     | 465           | 513              | 10,254         | 15,094         | 22,007        | 32,726        |
| PUBLIC ROAD OR STREET              | 173           | 192              | 9,381          | 14,574         | 27,198        | 36,752        |
| WITHIN REST AREA                   | 0             | 0                | 4              | 4              | 9             | 13            |
| WITHIN WEIGHT STATION              | 0             | 0                | 3              | 4              | 10            | 13            |
| <b>Totals</b>                      | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |



Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Intersection Type for 2007*  
700 Fatal Crashes

Date: Aug 25, 2008  
Time: 9:03:59 AM

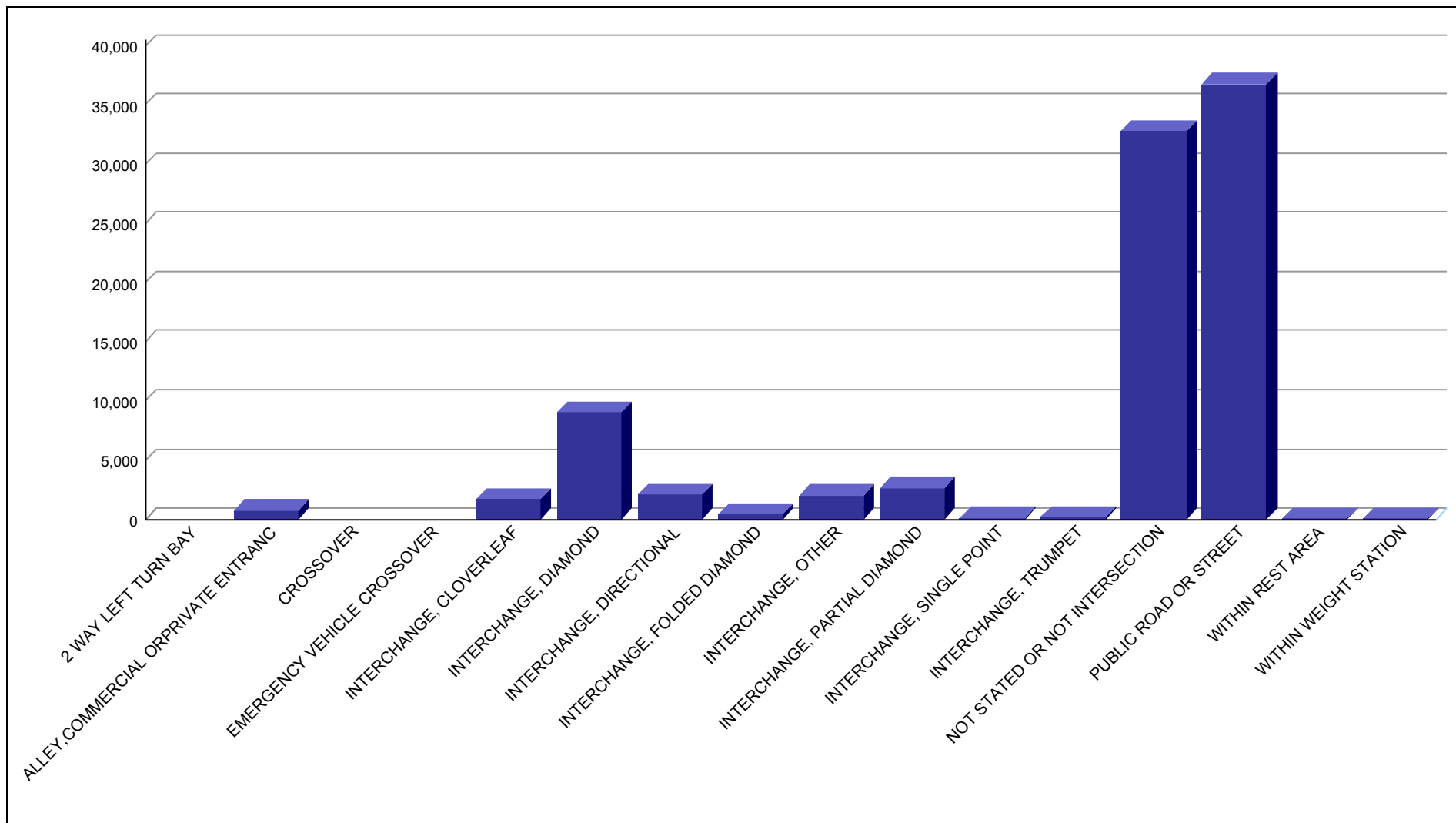


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**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Intersection Type For Year 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 9:04:39 AM



### **Chapter 1-M : CRASHES INVOLVING PEDESTRIANS**

Pedestrian fatalities decreased 18.0% in 2007 compared to 2006.

76.0% of pedestrian fatalities and 42.5% of pedestrian injuries occurred during the hours of darkness in 2007.

The age span of 15-24 years accounted for 24.9% of the pedestrian injuries during 2007.

The age span of 35-44 years accounted for 28.0% of the pedestrian fatalities during 2007.



**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Pedestrian Maneuver by Age for 2007**

Date: Aug 25, 2008  
Time: 9:05:32 AM

| Pedestrian Maneuver        | 0-4<br>Fatal | 0-4<br>Injury | 5-9<br>Fatal | 5-9<br>Injury | 10-14<br>Fatal | 10-14<br>Injury | 15-24<br>Fatal | 15-24<br>Injury | 25-34<br>Fatal | 25-34<br>Injury | 35-44<br>Fatal | 35-44<br>Injury | 45-54<br>Fatal | 45-54<br>Injury | 55-64<br>Fatal | 55-64<br>Injury | 65-74<br>Fatal | 65-74<br>Injury | 75 &<br>Up<br>Fatal | 75 &<br>Up<br>Injury | Not<br>Stated<br>Fatal | Not<br>Stated<br>Injury | Totals     |
|----------------------------|--------------|---------------|--------------|---------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|---------------------|----------------------|------------------------|-------------------------|------------|
| BEHIND PARKED CAR          | 0            | 0             | 0            | 1             | 0              | 2               | 0              | 5               | 1              | 6               | 0              | 5               | 0              | 2               | 0              | 1               | 0              | 1               | 0                   | 2                    | 0                      | 0                       | 26         |
| CROSSWALK MARKED           | 0            | 0             | 0            | 0             | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 0          |
| GETTING ON/OFF VEHICLE     | 0            | 0             | 0            | 0             | 0              | 0               | 0              | 2               | 0              | 1               | 0              | 1               | 0              | 1               | 0              | 0               | 0              | 1               | 0                   | 1                    | 0                      | 0                       | 7          |
| NOT STATED                 | 0            | 0             | 0            | 0             | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 0          |
| NOT STATED/UNKNWN/NO PEDS  | 0            | 1             | 0            | 0             | 1              | 0               | 0              | 1               | 0              | 1               | 0              | 3               | 0              | 4               | 0              | 1               | 0              | 0               | 0                   | 3                    | 0                      | 0                       | 15         |
| OFF ROADWAY                | 0            | 1             | 0            | 0             | 0              | 0               | 1              | 7               | 1              | 1               | 0              | 3               | 1              | 2               | 0              | 1               | 0              | 0               | 0                   | 2                    | 0                      | 0                       | 20         |
| OTHER IN ROAD              | 0            | 0             | 0            | 0             | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 0          |
| OTHER WORKING              | 0            | 0             | 0            | 0             | 0              | 0               | 0              | 1               | 0              | 2               | 0              | 7               | 0              | 1               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 11         |
| PLAYING IN ROAD            | 0            | 0             | 0            | 0             | 0              | 1               | 0              | 1               | 0              | 0               | 0              | 1               | 0              | 0               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 3          |
| PUSHING/WORKING ON VEHICLE | 0            | 0             | 0            | 0             | 0              | 0               | 0              | 2               | 0              | 1               | 1              | 0               | 0              | 2               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 6          |
| SIGNAL MOVEMENT            | 0            | 1             | 0            | 4             | 1              | 20              | 4              | 42              | 0              | 15              | 4              | 18              | 3              | 18              | 0              | 9               | 2              | 4               | 2                   | 6                    | 0                      | 0                       | 153        |
| STANDING IN ROAD           | 0            | 1             | 0            | 0             | 0              | 2               | 1              | 6               | 1              | 6               | 6              | 5               | 3              | 4               | 3              | 2               | 1              | 2               | 1                   | 0                    | 0                      | 0                       | 44         |
| WALKING AGAINST TRAFFIC    | 0            | 0             | 0            | 1             | 0              | 2               | 2              | 3               | 1              | 7               | 2              | 4               | 1              | 3               | 1              | 1               | 0              | 1               | 0                   | 0                    | 0                      | 0                       | 29         |
| WALKING WITH TRAFFIC       | 0            | 0             | 0            | 0             | 0              | 1               | 2              | 4               | 2              | 5               | 1              | 3               | 0              | 5               | 0              | 0               | 0              | 0               | 0                   | 0                    | 0                      | 0                       | 23         |
| WITHIN CROSSWALK           | 0            | 0             | 0            | 1             | 0              | 2               | 0              | 0               | 0              | 1               | 0              | 0               | 0              | 2               | 0              | 0               | 0              | 1               | 0                   | 0                    | 0                      | 0                       | 7          |
| WITHIN MARKED CROSSWALK    | 0            | 0             | 0            | 0             | 0              | 1               | 0              | 1               | 0              | 1               | 0              | 0               | 0              | 1               | 0              | 1               | 0              | 1               | 0                   | 1                    | 0                      | 0                       | 7          |
| <b>TOTAL</b>               | <b>0</b>     | <b>4</b>      | <b>0</b>     | <b>7</b>      | <b>2</b>       | <b>31</b>       | <b>10</b>      | <b>75</b>       | <b>6</b>       | <b>47</b>       | <b>14</b>      | <b>50</b>       | <b>8</b>       | <b>45</b>       | <b>4</b>       | <b>16</b>       | <b>3</b>       | <b>11</b>       | <b>3</b>            | <b>15</b>            | <b>0</b>               | <b>0</b>                | <b>351</b> |

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Missouri Department of Transportation  
Transportation Planning  
*Crashes by Pedestrian Maneuver by Light Condition for 2007*

Date: Aug 25, 2008  
Time: 9:07:49 AM

| PEDESTRIAN MANEUVER        | DARK             |                | LIGHT            |                | UNKNOWN          |                |
|----------------------------|------------------|----------------|------------------|----------------|------------------|----------------|
|                            | Total Fatalities | Total Injuries | Total Fatalities | Total Injuries | Total Fatalities | Total Injuries |
| BEHIND PARKED CAR          | 0                | 5              | 1                | 20             | 0                | 0              |
| CROSSWALK MARKED           | 0                | 0              | 0                | 0              | 0                | 0              |
| GETTING ON/OFF VEHICLE     | 0                | 2              | 0                | 5              | 0                | 0              |
| NOT STATED/UNKNWN/NO PEDS  | 1                | 6              | 0                | 7              | 0                | 1              |
| OFF ROADWAY                | 2                | 4              | 1                | 13             | 0                | 0              |
| OTHER IN ROAD              | 0                | 0              | 0                | 0              | 0                | 0              |
| OTHER WORKING              | 0                | 5              | 0                | 6              | 0                | 0              |
| PLAYING IN ROAD            | 0                | 1              | 0                | 2              | 0                | 0              |
| PUSHING/WORKING ON VEHICLE | 0                | 1              | 1                | 4              | 0                | 0              |
| SIGNAL MOVEMENT            | 12               | 65             | 4                | 72             | 0                | 0              |
| STANDING IN ROAD           | 12               | 14             | 3                | 13             | 1                | 1              |
| WALKING AGAINST TRAFFIC    | 6                | 10             | 1                | 12             | 0                | 0              |
| WALKING WITH TRAFFIC       | 5                | 13             | 0                | 5              | 0                | 0              |
| WITHIN CROSSWALK           | 0                | 1              | 0                | 5              | 0                | 1              |
| WITHIN MARKED CROSSWALK    | 0                | 1              | 0                | 6              | 0                | 0              |
| <b>Total</b>               | <b>38</b>        | <b>128</b>     | <b>11</b>        | <b>170</b>     | <b>1</b>         | <b>3</b>       |

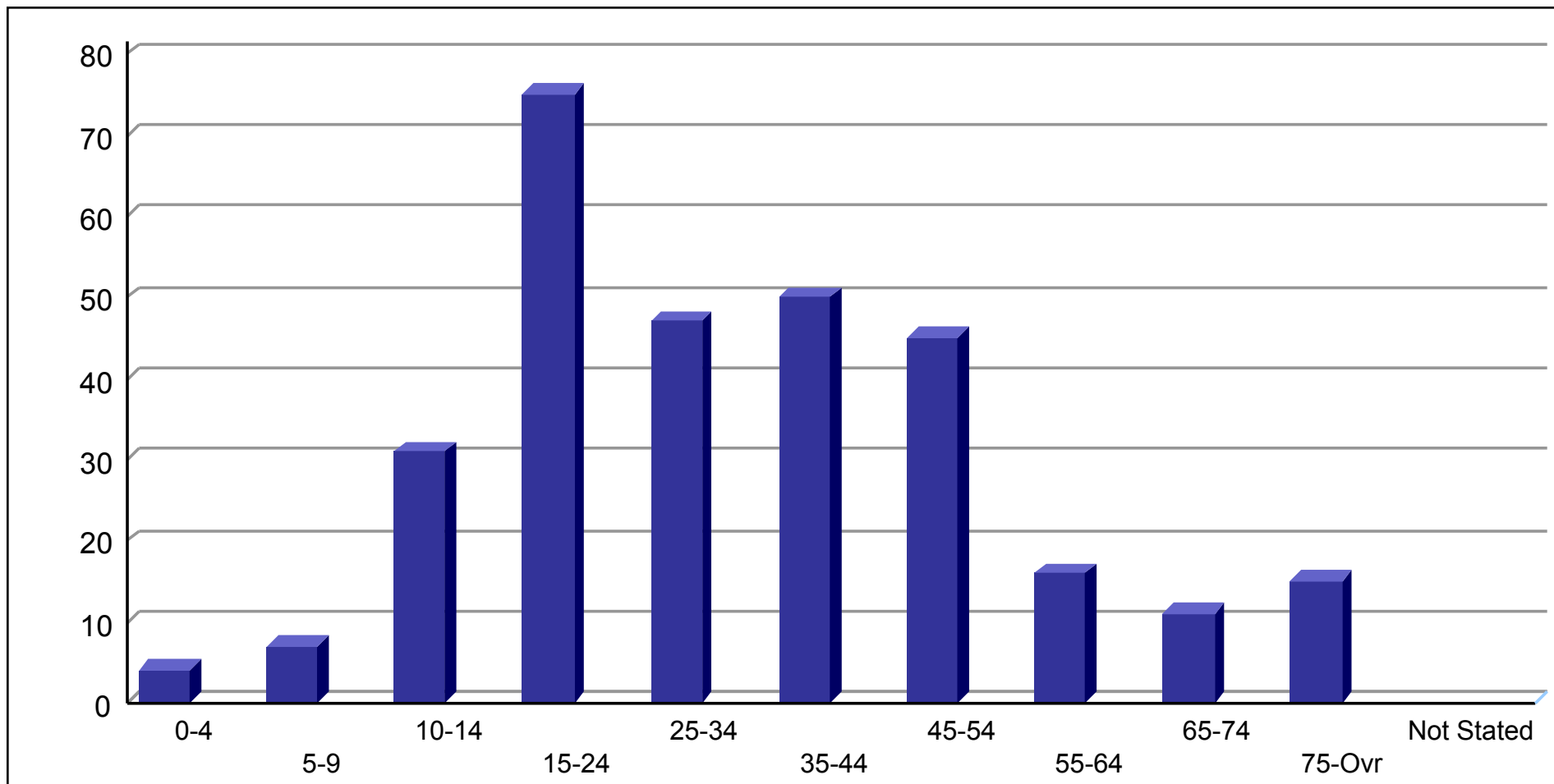
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**Missouri Department of Transportation**  
**Transportation Planning**  
*Pedestrian Injuries by Age for 2007*  
**301 Pedestrian Injuries**

Date: Aug 25, 2008  
Time: 9:34:23 AM

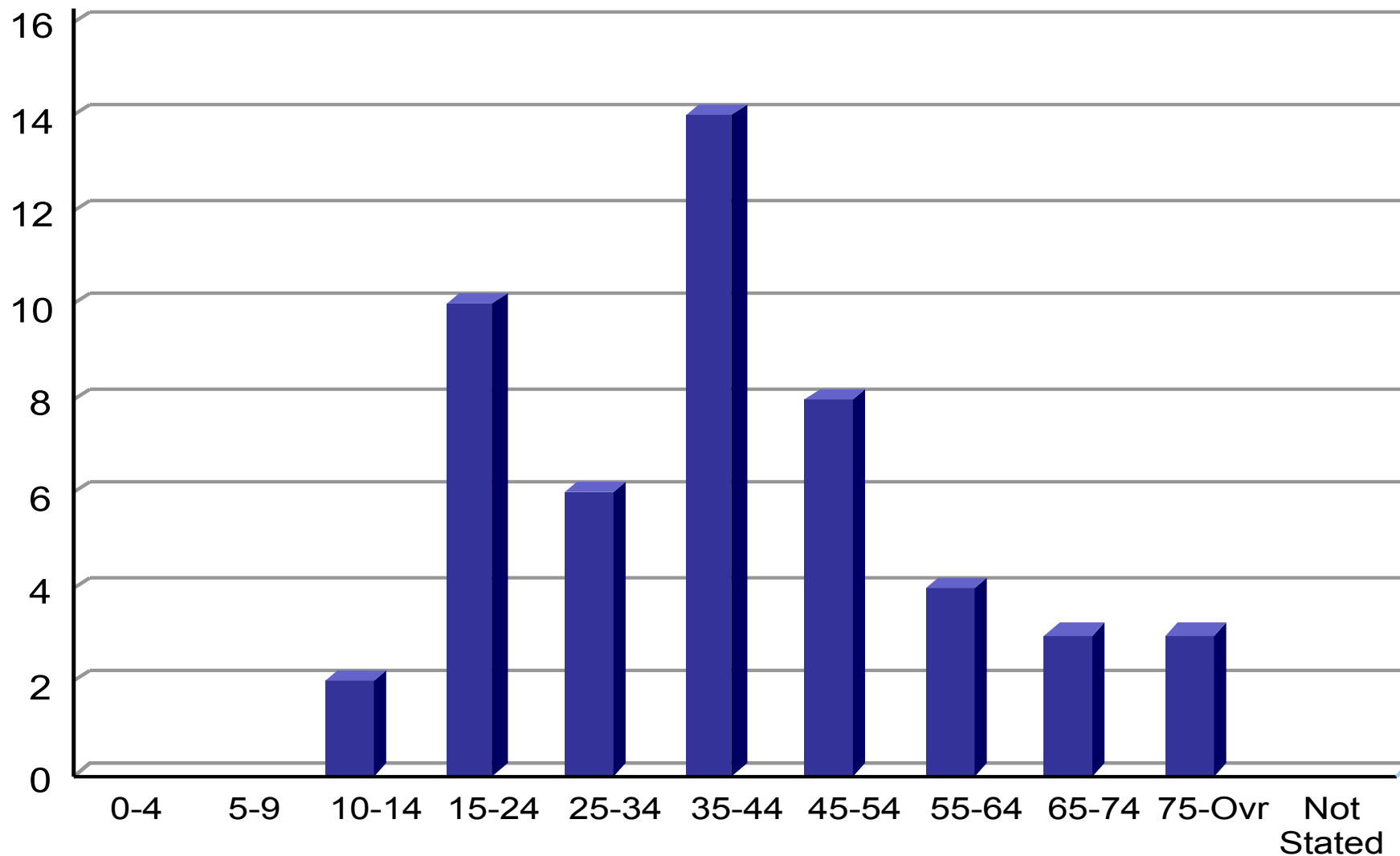


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Missouri Department of Transportation  
Transportation Planning  
*Pedestrian Fatalities by Age For 2007*  
50 Pedestrian Fatalities

Date: Aug 25, 2008  
Time: 9:28:58 AM

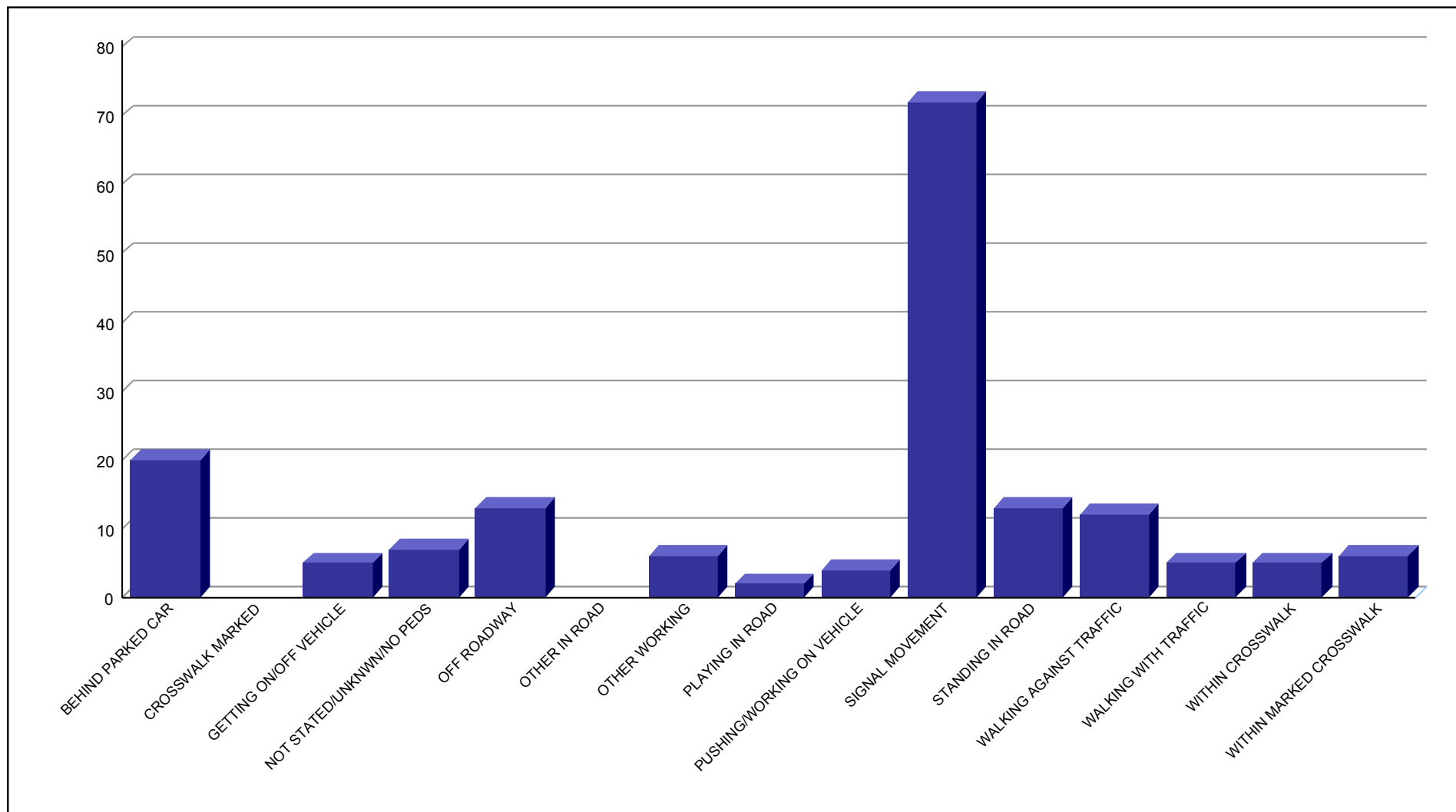


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Missouri Department of Transportation  
Transportation Planning  
*Crashes by Pedestrian Maneuver by Light Condition for 2007*  
170 Injuries in Day Condition

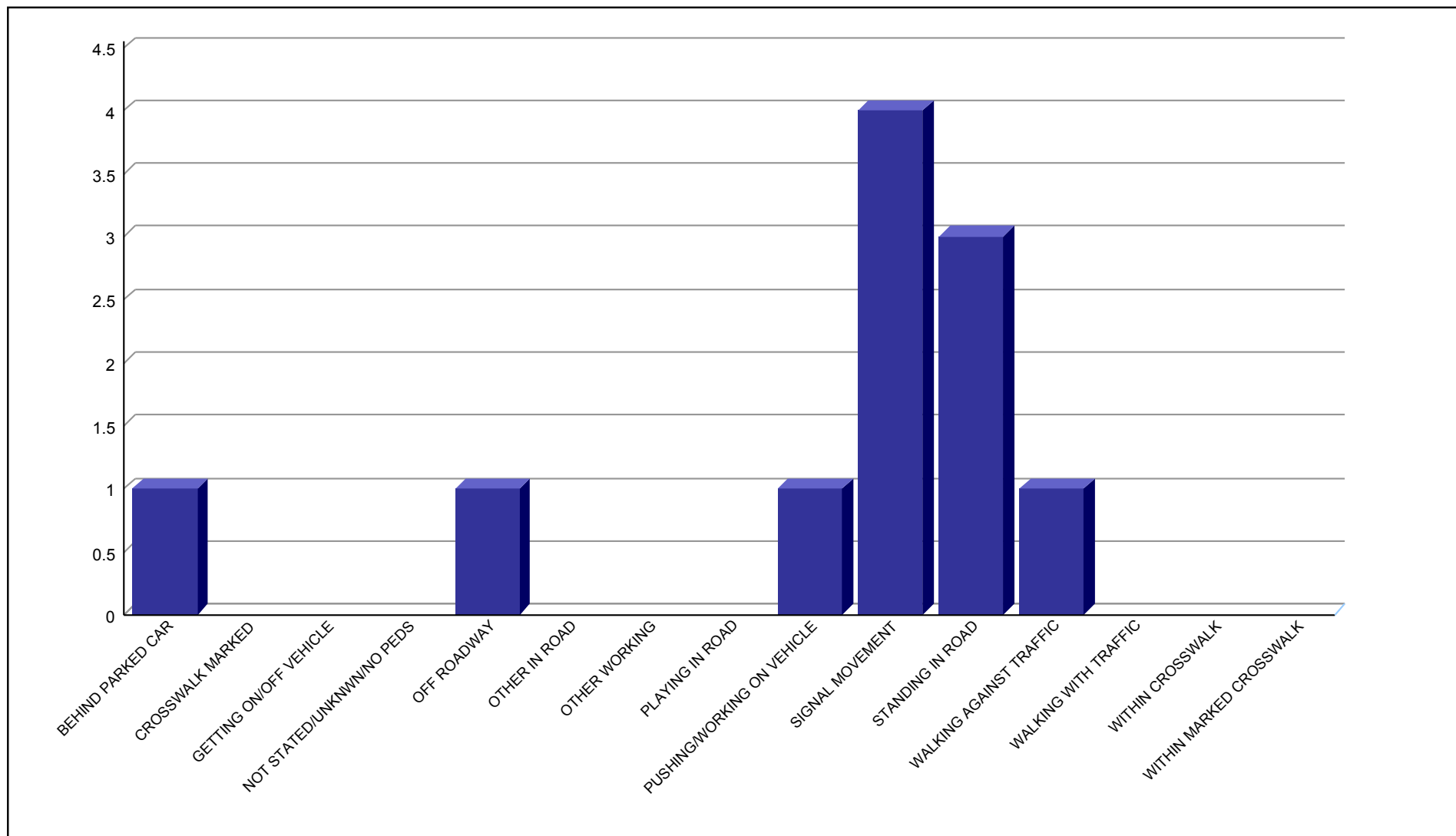
Date: Aug 25, 2008  
Time: 9:32:44 AM





Missouri Department of Transportation  
Transportation Planning  
*Crashes by Pedestrian Maneuver by Light Condition For 2007*  
11 Fatalities in Day Condition

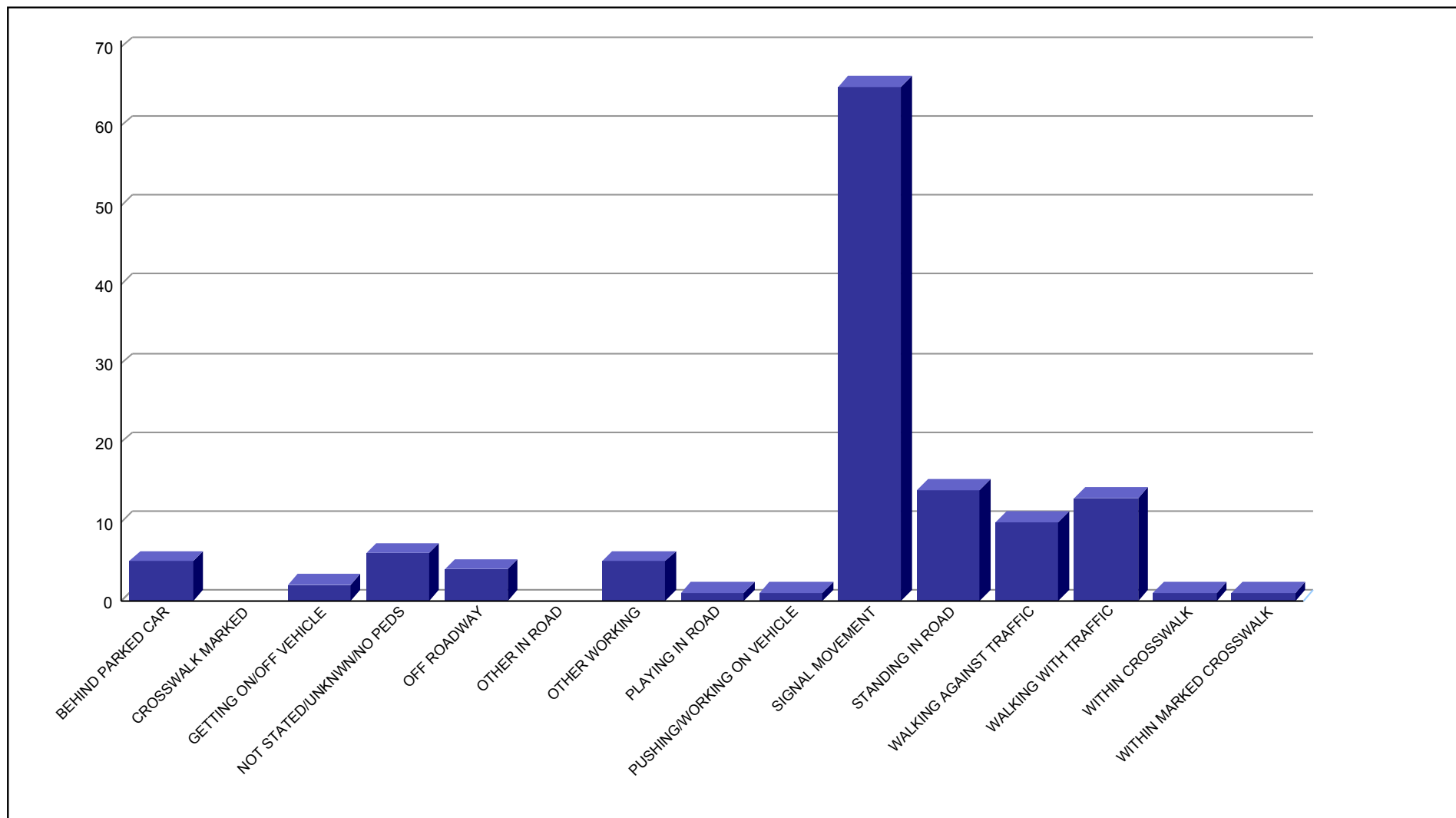
Date: Aug 25, 2008  
Time: 9:27:17 AM





Missouri Department of Transportation  
Transportation Planning  
*Crashes by Pedestrian Maneuver by Light Condition For 2007*  
128 Injuries in Dark Condition

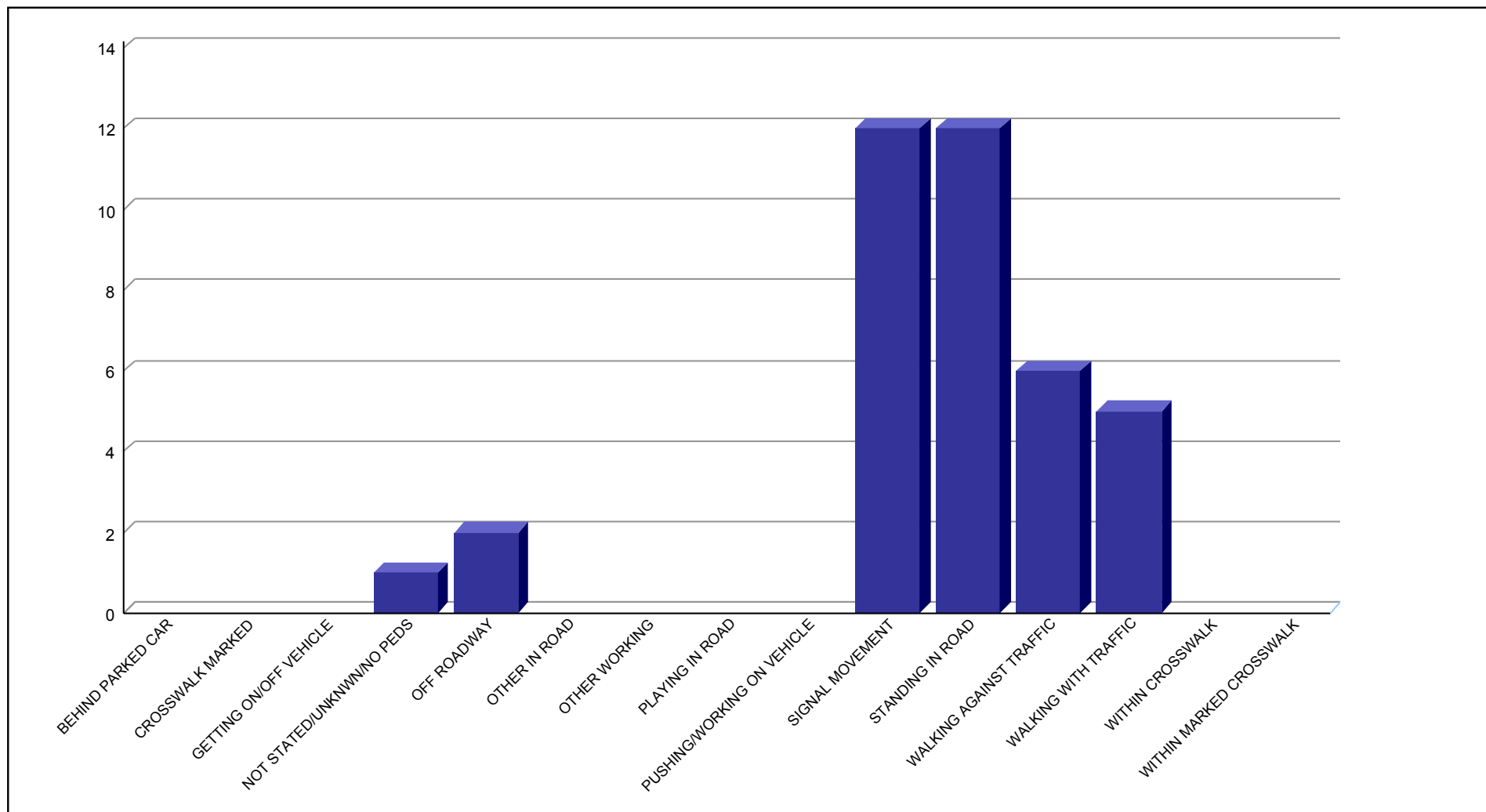
Date: Aug 25, 2008  
Time: 9:31:04 AM





Missouri Department of Transportation  
Transportation Planning  
*Crashes by Pedestrian Maneuver by Light Condition For 2007*  
38 Fatalities in Dark Condition

Date: Aug 25, 2008  
Time: 9:25:25 AM



### **Chapter 1-N : CRASHES BY INVESTIGATOR**

Of the 88,512 crashes occurring on the State Highway System of Missouri in 2007, 34.8% were investigated by the State Highway Patrol and 66.27% were investigated by local agencies.

Of the 700 fatal crashess that occurred in 2006, 78.3% were investigated by the State Highway Patrol and 21.7% were investigated by local agencies.



Missouri Department of Transportation  
Transportation Planning  
*Crashes by Investigator for 2007*

Date: Aug 25, 2008  
Time: 9:35:42 AM

| INVESTIGATOR                             | Fatal Crashes | Total Fatalities | Injury Crashes | Total Injuries | PDO Crashes   | Total Crashes |
|--|---------------|------------------|----------------|----------------|---------------|---------------|
| <b>UNINCORPORATED</b>                    |               |                  |                |                |               |               |
| UNINCORPORATED SHERIFF                   | 16            | 16               | 537            | 733            | 1,737         | 2,290         |
| UNINCORPORATED ST LOUIS<br>COUNTY POLICE | 10            | 11               | 790            | 1,099          | 2,670         | 3,470         |
| UNINCORPORATED STATE<br>PATROL           | 494           | 552              | 9,159          | 13,980         | 17,305        | 26,958        |
| <b>INCORPORATED</b>                      |               |                  |                |                |               |               |
| INCORPORATED CITY POLICE                 | 124           | 130              | 12,347         | 18,296         | 38,154        | 50,625        |
| INCORPORATED SHERIFF                     | 1             | 1                | 92             | 131            | 367           | 460           |
| INCORPORATED ST LOUIS<br>COUNTY POLICE   | 1             | 1                | 164            | 235            | 572           | 737           |
| INCORPORATED STATE<br>PATROL             | 54            | 62               | 851            | 1,279          | 2,896         | 3,801         |
| <b>RANGER</b>                            |               |                  |                |                |               |               |
| OTHER OR RANGERS                         | 0             | 0                | 31             | 43             | 140           | 171           |
| <b>NOT STATED</b>                        |               |                  |                |                |               |               |
| NOT STATED OR UNKNOWN                    | 0             | 0                | 0              | 0              | 0             | 0             |
| <b>Totals</b>                            | <b>700</b>    | <b>773</b>       | <b>23,971</b>  | <b>35,796</b>  | <b>63,841</b> | <b>88,512</b> |

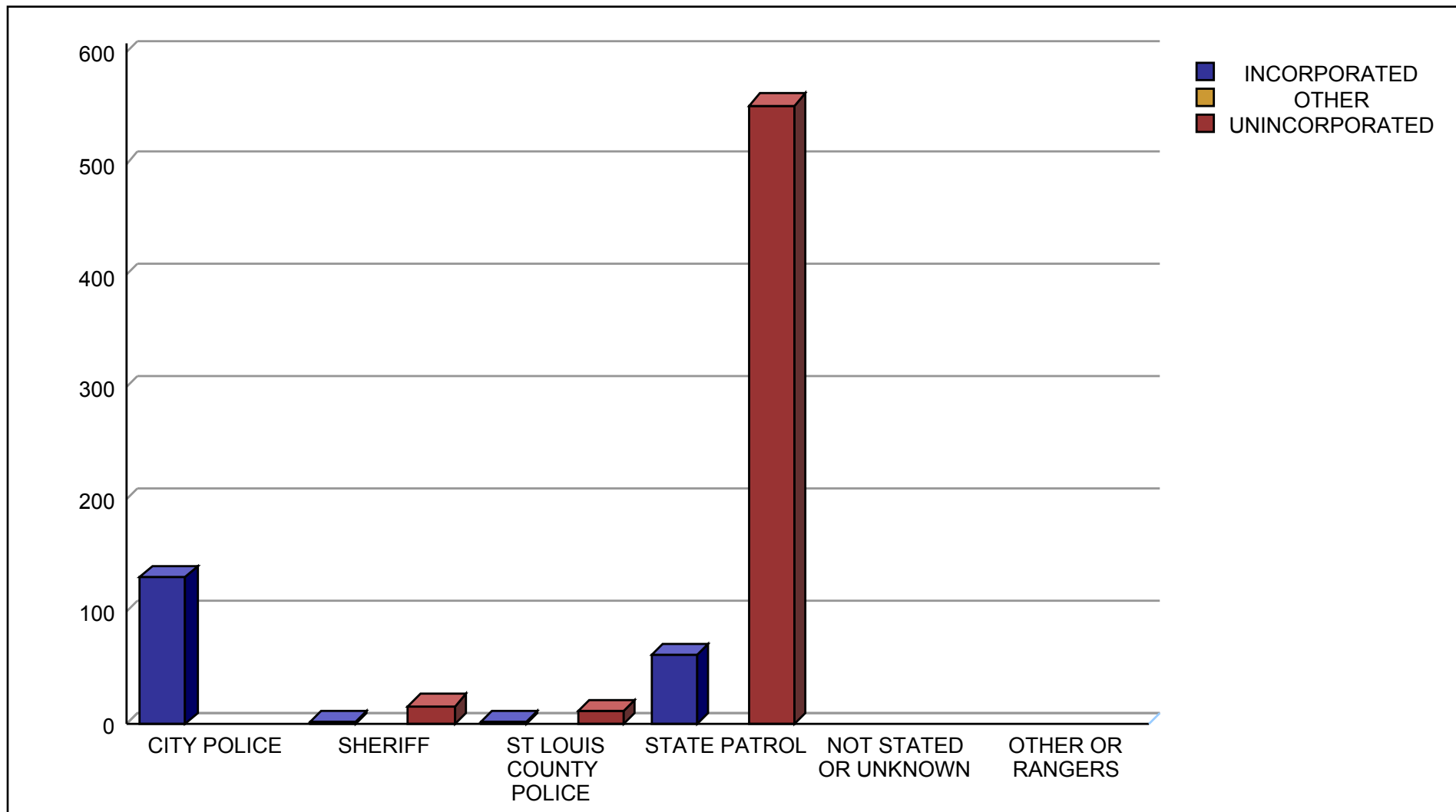
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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Investigator Chart for 2007*  
700 Fatal Crashes

Date: Aug 25, 2008  
Time: 9:36:35 AM



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**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Investigator Chart for 2007**  
**88,512 Total Crashes**

Date: Aug 25, 2008  
Time: 9:37:24 AM

